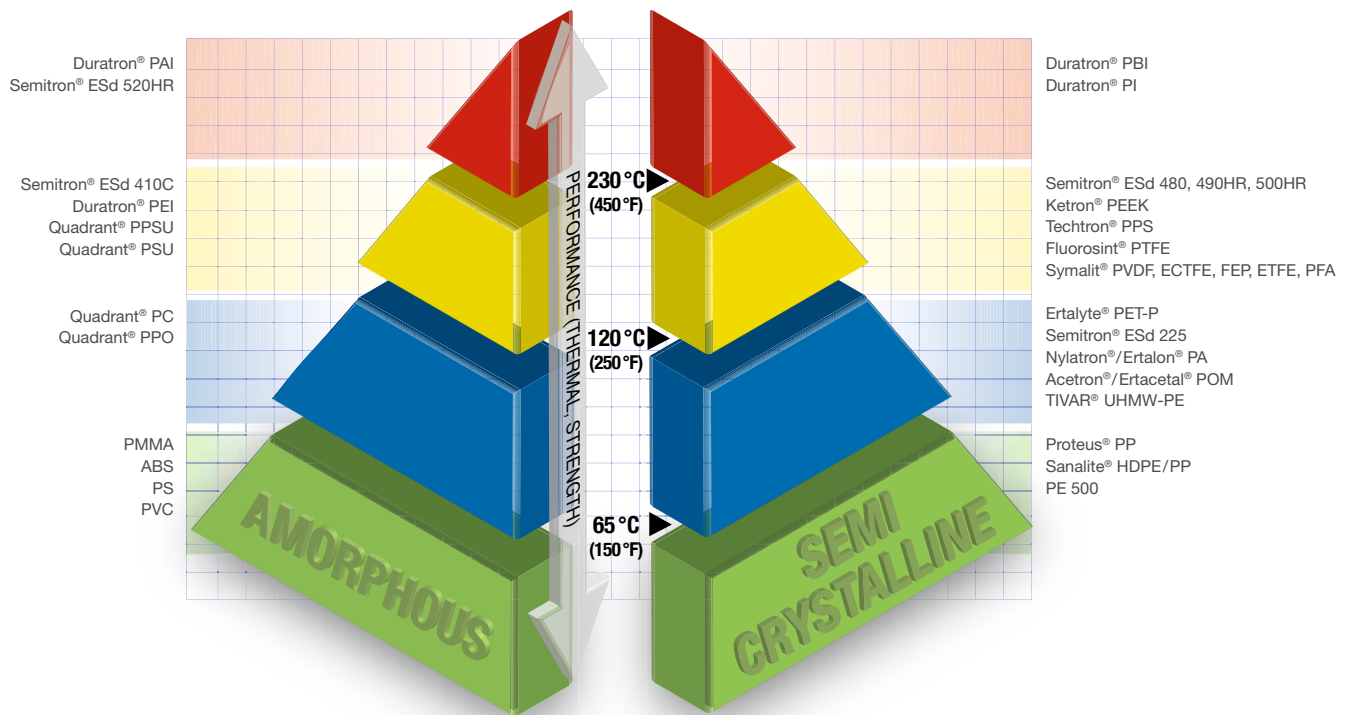


# Delivery Programme

## Engineering Plastic Products

### Temperature Performance of Quadrant Thermoplastics

The materials performance pyramid ranks the most common thermoplastics according to their temperature performance. Amongst these materials, different «families» can be recognised, all exhibiting high value in use within numerous applications.



# Table of Contents

## 013 Advanced Engineering Plastics for elevated temperature range up to 310 °C

### 016 Duratron® PBI [Polybenzimidazole – PBI]

#### Round rods

016 Duratron® CU60 PBI

#### Plates

017 Duratron® CU60 PBI

#### Tubes

018 Duratron® CU60 PBI

### 019 Duratron® PAI [Polyamide-imide – PAI]

#### Round rods

019 Duratron® T4203 PAI/T4301 PAI/T4501 PAI/T4503 PAI/T5530 PAI

#### Plates

021 Duratron® T4203 PAI/T4301 PAI/T4501 PAI/T5530 PAI

#### Tubes

022 Duratron® T4501 PAI/T4503 PAI/T5530 PAI

### 025 Ketron® PEEK [Polyetheretherketone – PEEK]

#### Round rods

025 Ketron® 1000 PEEK natural, black/TX PEEK

026 Ketron® HPV PEEK/GF30 PEEK/CA30 PEEK

#### Plates

027 Ketron® 1000 PEEK natural, black

028 Ketron® HPV PEEK/TX PEEK

029 Ketron® GF30 PEEK

030 Ketron® CA30 PEEK

#### Tubes

031 Ketron® 1000 PEEK natural, black/HPV PEEK

033 Ketron® GF30 PEEK/CA30 PEEK

034 Ketron® PEEK SP Grades

# Table of Contents

---

## **036 Fluorosint® 207/500 [Fluoropolymers]**

### **Round rods**

036 Fluorosint® 207/500

### **Plates**

037 Fluorosint® 207/500

### **Tubes**

038 Fluorosint® 207/500

## **044 Semitron® ESd [Plastics with electrostatic dissipation]**

### **Round rods**

044 Semitron® ESd 410C

### **Plates**

045 Semitron® ESd 410C/500HR/520HR

## **046 Notes**

# Table of Contents

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## **047 Advanced Engineering Plastics for elevated temperature range up to 240 °C**

### **048 Techtron® HPV PPS [Polyphenylene Sulfide – PPS]**

#### **Round rods**

048 Techtron® HPV PPS

#### **Plates**

049 Techtron® HPV PPS

#### **Tubes**

050 Techtron® HPV PPS

### **051 Quadrant® 1000 PSU [Polysulfone – PSU]**

#### **Round rods**

051 Quadrant® 1000 PSU natural

#### **Plates**

052 Quadrant® 1000 PSU natural

### **053 Duratron® PEI [Polyetherimide – PEI]**

#### **Round rods**

053 Duratron® U1000 PEI natural

#### **Plates**

054 Duratron® U1000 PEI natural

# Table of Contents

## 055 Symalit® Fluoroplastics for elevated temperature range up to 260°C

### 057 Symalit® 1000 PVDF [Polyvinylidene Fluoride – PVDF]

#### Round rods

057 Symalit® 1000 PVDF natural

#### Plates / Sheets / Rolls

058 Symalit® 1000 PVDF natural

060 Symalit® 1000 PVDF natural FM4910 approved

061 Symalit® 1000 PVDF Lining Laminates

#### Welding rods

062 Symalit® 1000 PVDF natural / Symalit® 1020 PVDF orange

#### Cap Strips

062 Symalit® 1000 PVDF natural

#### Tubes / Pipes

063 Symalit® 1000 PVDF natural

#### HV-Liner-Pipes

064 Symalit® 1000 PVDF natural

### 065 Symalit® ESd PVDF [Polyvinylidene Fluoride – PVDF]

#### Round rods / Rolls

065 Symalit® ESd PVDF black

#### Sheets

066 Symalit® ESd PVDF black

066 Symalit® ESd PVDF black Lining Laminates

#### Pipes

067 Symalit® ESd PVDF black

#### HV-Liner pipes

067 Symalit® ESd PVDF

#### Welding rods

067 Symalit® ESd PVDF

# Table of Contents

## 068 **Symalit® Flex 1000 PVDF [Polyvinylidene Fluoride – PVDF]**

### **Plates / Sheets**

- 068 Symalit® FLEX 1000 PVDF natural
- 069 Symalit® FLEX 1000 PVDF Lining Laminates

### **Rolls**

- 070 Symalit® FLEX 1000 PVDF Lining Laminates

### **Welding rods**

- 070 Symalit® FLEX 1000 PVDF natural

## 071 **Symalit® 1000 ECTFE [Ethylene-Chlorotrifluoroethylene – ECTFE]**

### **Round rods**

- 071 Symalit® 1000 ECTFE natural

### **Plates / Rolls**

- 072 Symalit® 1000 ECTFE natural
- 073 Symalit® 1000 ECTFE natural FM4910 approved
- 074 Symalit® 1000 ECTFE Lining Laminates

### **Pipes**

- 075 Symalit® 1000 ECTFE natural
- 075 Symalit® 1000 ECTFE [synthetic backing GK]

### **Rolls / Cap Strips**

- 076 Symalit® 1000 ECTFE natural

## 077 **Symalit® 1000 ETFE [Ethylene-Tetrafluoroethylene – ETFE]**

### **Sheets / Welding rods**

- 077 Symalit® 1000 ETFE natural

## 078 **Symalit® 1000 FEP [Fluoro Ethylene Propylene – FEP]**

### **Sheets**

- 078 Symalit® 1000 FEP Lining Laminates

### **Pipes / Welding Rods**

- 079 Symalit® 1000 FEP natural
- 079 Symalit® 1000 FEP [glass backing GGS]

# Table of Contents

---

## **080 Symalit® 1000 PFA [Perfluorinated Vinyl Ether – PFA]**

### **Rolls / Sheets**

080 Symalit® 1000 PFA Lining Laminates [glass backing GGS]

### **Pipes / Rolls**

081 Symalit® 1000 PFA natural

081 Symalit® 1000 PFA [glass backing GGS]

### **Welding rods**

081 Symalit® 1000 PFA natural

## **082 Notes**

# Table of Contents

## **083 Stock Shapes for Life Science – Quadrant Life Science Grades (LSG)**

### **084 Ketron® LSG PEEK [Polyetheretherketone – PEEK]**

#### **Round rods**

- 084 Ketron® LSG PEEK natural, black/CLASSIX™ LSG PEEK white  
085 Ketron® LSG GF30 PEEK/LSG CA30 PEEK

#### **Plates**

- 086 Ketron® LSG PEEK natural, black  
087 Ketron® CLASSIX™ LSG PEEK white  
088 Ketron® LSG GF30 PEEK/LSG CA30 PEEK

### **089 Quadrant® LSG PPSU [Polyphenylene Sulfone – PPSU]**

#### **Duratron® LSG PEI [Polyetherimide – PEI]**

#### **Quadrant® LSG PSU [Polysulfone – PSU]**

#### **Quadrant® LSG PC [Polycarbonate]**

#### **Round rods**

- 089 Quadrant® LSG PPSU  
091 Duratron® LSG PEI natural  
092 Quadrant® LSG PSU natural/Quadrant® LSG PC natural

#### **Plates**

- 093 Quadrant® LSG PPSU  
094 Duratron® LSG PEI natural  
095 Quadrant® LSG PSU natural/Quadrant® LSG PC natural

### **096 Acetron® LSG [Polyacetal – POM]**

#### **Round rods**

- 096 Acetron® LSG natural, black

#### **Plates**

- 097 Acetron® LSG natural, black

### **098 Proteus® LSG HS PP [Polypropylene – PP]**

#### **Plates**

- 098 Proteus® LSG HS PP



# Table of Contents

## 099 General Engineering Plastics for medium temperature range up to 140 °C

### 102 Ertalon®/Nylatron®

#### Round rods

- 102 Ertalon® 6 SA natural, black
- 103 Ertalon® 66 SA natural, black
- 104 Ertalon® 4.6/66-GF30
- 105 Ertalon® 6 PLA natural, black
- 106 Ertalon® 6 PLA blue
- 107 Ertalon® 6 XAU+/LFX
- 108 Nylatron® LFG natural, blue
- 109 Nylatron® MC 901/GSM
- 110 Nylatron® NSM
- 111 Nylatron® GS

#### Sheets

- 112 Ertalon® 6 SA/66 SA natural

#### Plates

- 113 Nylatron® GS
- 114 Ertalon® 6 SA natural, black
- 115 Ertalon® 66 SA natural, black/4.6/66-GF 30
- 116 Ertalon® 6 PLA natural, black
- 117 Ertalon® 6 PLA blue
- 118 Ertalon® LFX/6 XAU+
- 119 Nylatron® LFG natural, blue
- 120 Nylatron® MC 901/GSM
- 121 Nylatron® NSM/703 XL

#### Tubes

- 122 Ertalon® 6 SA natural, black/66 SA natural
- 123 Nylatron® GS
- 124 Ertalon® 6 PLA natural, black/6 XAU+/LFX
- 150 Nylatron®/GSM/NSM

#### Round Rods

- 176 Nylatron® MD

#### Plates

- 177 Nylatron® MD

# Table of Contents

## 178 Ertacetal®

### Round rods

- 178 Ertacetal® C natural, black
- 180 Ertacetal® C blue
- 181 Ertacetal® C colour
- 182 Ertacetal® H natural, black/H-TF
- 183 Semitron® ESd 225

### Sheets

- 184 Ertacetal® C natural

### Plates

- 185 Semitron® ESd 225
- 186 Ertacetal® C natural
- 187 Ertacetal® C black
- 188 Ertacetal® C blue
- 189 Ertacetal® C colour
- 190 Ertacetal® H natural, black/H-TF

### Tubes

- 191 Ertacetal® C natural, black

### Round rods

- 193 Acetron® MD

### Plates

- 194 Acetron® MD

## 195 Ertalyte®

### Round rods

- 195 Ertalyte® natural, black/TX

### Sheets

- 196 Ertalyte® natural

### Plates

- 197 Ertalyte® natural, black/TX

### Tubes

- 198 Ertalyte® natural/TX

## 199 Quadrant® 1000 PC [Polycarbonat – PC]

### Round rods

- 199 Quadrant® 1000 PC natural

### Plates

- 200 Quadrant® 1000 PC natural

# Table of Contents

## 201 Polyethylene Engineering Plastics: TIVAR® Proprietary Grades

### 203 TIVAR® Proprietary Grades

#### Plates

203	TIVAR® DrySlide
205	TIVAR® HPV
206	TIVAR® TECH
208	TIVAR® DS, grey
210	TIVAR® DS, yellow
212	TIVAR® Ceram P
214	TIVAR® SuperPlus
216	TIVAR® H.O.T.
218	TIVAR® Burnguard
220	TIVAR® CleanStat
222	TIVAR® 1000 ASTL
223	TIVAR® 1000 EC
225	Borotron® UH015   UH030   UH050
226	Borotron® HM015   HM030   HM050

#### Round Rods

227	TIVAR® DS, grey, pressed and turned
228	TIVAR® 1000 ASTL, pressed and turned

#### Round Rods

229	TIVAR® MD
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#### Plates

230	TIVAR® MD
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## 231 Polyethylene Engineering Plastics: TIVAR® Range of Materials

### 232 TIVAR® [UHMW-PE]

#### Plates

232	TIVAR® 1000 natural
234	TIVAR® 1000 green
236	TIVAR® 1000 other colours
238	TIVAR® 1000 antistatic
240	TIVAR® ECO green
242	TIVAR® ECO black antistatic

#### Round Rods

244	TIVAR® 1000 natural/black/green, extruded
245	TIVAR® 1000 natural/green, pressed and turned
246	TIVAR® 1000 antistatic, pressed and turned

# Table of Contents

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**247 Polyethylene Plastics: PE 500**

**248 PE 500 [HMW-PE]**

**Plates**

248 PE 500 natural/CM+ natural

249 PE 500 green/CM+ green

250 PE 500 black/CM+ black

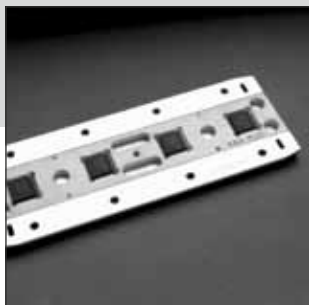
251 PE 500 other colours

**252 Notes**

**253 Disclaimer**

# Advanced Engineering Plastics for elevated temperature range up to 310 °C

Duratron® PBI | Duratron® PAI | Ketron® | Fluorosint® | Semitron®



## Duratron® PBI

### Duratron PBI [PBI; colour black]

Duratron PBI offers the highest temperature resistance and best mechanical property retention over 200 °C of all unfilled thermoplastics. Duratron PBI is very «clean» in terms of ionic impurity and does not outgas [except water]. These characteristics make this material extremely attractive to high-tech industries such as semiconductor and aerospace industries. Usually Duratron PBI is used in critical components to decrease maintenance costs and to gain valuable production «uptime». It is used to replace metals and ceramics in pump components, valve seats [high tech valves], bearings, rollers, high temperature insulators.

## Duratron® PAI

### Duratron T4203 PAI [extruded] [PAI; colour yellow-ochre]

### Duratron T4503 PAI [compression moulded] [PAI; colour yellow-ochre]

Duratron T4203 PAI offers the best toughness and impact strength of all Duratron PAI grades. This extruded Duratron PAI grade is very popular for precision parts in high-tech equipment. In addition, its good electrical insulating ability provides numerous possibilities in the field of electrical components. Compression moulded Duratron T4503 PAI is similar in composition to Duratron T4203 PAI, and is selected when larger shapes are required.

### Duratron T4301 PAI [extruded] [PAI + graphite + PTFE; colour black]

### Duratron T4501 PAI [compression moulded] [PAI + graphite + PTFE; colour black]

The addition of PTFE and graphite provides higher wear resistance and lower coefficient of friction compared to the unfilled grade as well as a lower tendency to stick-slip. Duratron T4301 PAI also offers excellent dimensional stability over a wide temperature range. This extruded Duratron PAI grade excels in severe wear applications such as non-lubricated bearings, seals, bearing cages and reciprocating compressor parts. Compression moulded Duratron T4501 PAI is similar in composition to Duratron T4301 PAI, and is selected when larger shapes are required.

### Duratron T5530 PAI [compression moulded] [PAI-GF30; colour black]

This 30% glass fibre reinforced grade offers higher stiffness, strength and creep resistance than the Duratron PAI grades mentioned above. It is well suited for structural applications supporting static loads for long periods of time at high temperatures. In addition, Duratron T5530 PAI exhibits superb dimensional stability up to 250 °C making it extremely popular for precision parts in e.g. the electronical and semiconductor industries. The suitability of Duratron T5530 PAI for sliding parts, however, is to be carefully examined since the glass fibres tend to abrade the mating surface.

# Advanced Engineering Plastics for elevated temperature range up to 310 °C

Duratron® PBI | Duratron® PAI | Ketron® | Fluorosint® | Semitron®

## Ketron®

### **Ketron 1000 PEEK [PEEK; colours natural [brownish-grey] or black]**

Ketron 1000 PEEK stock shapes are produced from virgin polyetheretherketone resin and offer the highest toughness and impact strength of all Ketron PEEK grades. Both Ketron 1000 PEEK natural & black can be sterilised by all conventional sterilisation methods [steam, dry heat, ethylene oxide and gamma irradiation]. Additionally, the composition of the raw materials used for the manufacture of Ketron 1000 PEEK stock shapes complies with the regulations of the European Union [Directive 2002/72/EC, as amended] and the United States of America [FDA] for plastic materials and articles intended to come into contact with foodstuffs.

### **Ketron GF30 PEEK [GF30 PEEK; colour brownish-grey]**

This 30 % glass fibre reinforced grade offers a higher stiffness and creep resistance than Ketron 1000 PEEK and has a much better dimensional stability. This grade is very appropriate for structural applications carrying high static loads for long periods of time at elevated temperatures. The suitability of Ketron GF30 PEEK for sliding parts, however, is to be carefully examined since the glass fibres tend to abrade the mating surface.

### **Ketron HPV PEEK [PEEK + CF + PTFE + graphite; colour black]**

The addition of carbon fibres, PTFE and graphite to virgin PEEK results in a Ketron PEEK «bearing grade». Its excellent tribological properties [low friction, long wear and high pressure-velocity capabilities] make this grade especially suited for wear and friction applications.

### **Ketron CA30 PEEK [CF30 PEEK; colour black]**

This 30 % carbon fibre reinforced grade combines even higher stiffness, mechanical strength and creep resistance than Ketron GF30 PEEK with an optimum wear resistance. Moreover, compared with unreinforced PEEK, the carbon fibres considerably reduce thermal expansion and provide 3.5 times higher thermal conductivity – dissipating heat from the bearing surface faster, improving bearing life and pressure-velocity capabilities.

### **Ketron TX PEEK [PEEK + solid lubricant; colour blue]**

This new member of the Ketron PEEK family has been developed especially for the food industry. Like Ketron 1000 PEEK, this new internally lubricated material has a food contact compliant composition, but offers far superior wear and frictional performance, making it especially suitable for a wide variety of bearing and wear applications in the 100 to 200 °C service temperature range.

## Fluorosint®

### **Fluorosint 500 [PTFE + mica; colour ivory]**

Reinforced with a proprietary synthetic mica, this material exhibits, in addition to its inherent outstanding chemical and hydrolysis resistance, very good mechanical and tribological properties. Fluorosint 500 has nine times greater resistance to deformation under load than unfilled PTFE. Its coefficient of linear thermal expansion approaches the expansion rate of aluminium and is 1/5 that of virgin PTFE, often eliminating fit and clearance problems. It is considerably harder than virgin PTFE, has better wear characteristics and maintains low frictional properties. Fluorosint 500 is also non-abrasive to most mating materials.

### **Fluorosint 207 [PTFE + mica; colour white]**

This material has a food contact compliant composition which, in combination with the good mechanical performance, dimensional stability, sliding and wear properties and inherent outstanding chemical and hydrolysis resistance of Fluorosint, opens numerous application possibilities in food, pharmaceutical and chemical processing industries.

# Advanced Engineering Plastics for elevated temperature range up to 310 °C

Duratron® PBI | Duratron® PAI | Ketron® | Fluorosint® | Semitron®

## Semitron®

### **Semitron ESd 410C [static dissipative PEI; colour black]**

Having an excellent mechanical performance up to 210 °C, Semitron ESd 410C provides ESd-solutions at higher temperatures. Additionally, Semitron ESd 410C exhibits excellent dimensional stability [low coefficient of linear thermal expansion and small water absorption], ideal for handling equipment in the electrical/electronic or semiconductor industries.

### **Semitron ESd 500HR [static dissipative PTFE; colour white]**

Reinforced with a proprietary synthetic mica, Semitron ESd 500HR offers an excellent combination of low frictional properties, good dimensional stability and electrostatic dissipation. Whenever virgin PTFE causes electrical discharge problems, Semitron ESd 500HR will provide a controlled bleed-off of static charges while maintaining typical PTFE-properties such as broad chemical resistance and low coefficient of friction.

### **Semitron ESd 520HR [static dissipative PAI; colour khaki-grey]**

Semitron ESd 520HR has an industry first combination of electrostatic dissipation [ESd], high strength and heat resistance. This new ESd material is ideal for making nests, sockets and contactors for test equipment and other device handling components in the semiconductor industry. The key feature of Semitron 520HR is its unique ability to resist dielectric breakdown at high voltages [ $>100$  V]. Whereas e.g. typical carbon fibre enhanced products become irreversibly more conductive when exposed to even moderate voltages, Semitron ESd 520HR maintains its electrical performance throughout the voltage range 100 to 1000 V, while offering the mechanical performance needed to excel in demanding applications.

## Duratron® PBI



Polybenzimidazole [PBI]

Duratron® CU60 PBI

ROUND RODS			
Diameters <sup>[1] [2]</sup>		Duratron® CU60 PBI	
		Standard length: [305 mm <sup>[1]</sup> ]	
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]	
9,53	3/8	0,03	<input type="checkbox"/>
12,70	1/2	0,05	<input type="checkbox"/>
15,88	5/8	0,08	<input checked="" type="checkbox"/>
19,05	3/4	0,11	<input checked="" type="checkbox"/>
22,23	7/8	0,15	<input type="checkbox"/>
25,40	1	0,20	<input checked="" type="checkbox"/>
31,75	1 1/4	0,31	<input checked="" type="checkbox"/>
38,10	1 1/2	0,45	<input type="checkbox"/>
Diameters <sup>[1] [2]</sup>		Duratron® CU60 PBI	
		Standard length: [153 mm <sup>[1]</sup> ]	
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]	
50,80	2	0,40	<input type="checkbox"/>
66,68	2 11/16	0,84	<input type="checkbox"/>
88,90	3 1/2	1,26	<input type="checkbox"/>
98,43	3,875	1,80	<input type="checkbox"/>

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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# Duratron® PBI



Polybenzimidazole [PBI]

Duratron® CU60 PBI

PLATES					
Thicknesses <sup>[1]</sup>		Duratron® CU60 PBI			
[mm]	[inch]	Standard size per piece: [305 x 305 mm <sup>[1]</sup> ]		Standard size per piece: [305 x 610 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
12,70	1/2	<b>1,57</b>	■	3,14	□
15,88	5/8	1,96	□	3,82	□
19,05	3/4	2,36	□	4,71	□
22,23	7/8	2,69	□	5,38	□
25,40	1	<b>3,14</b>	■	6,14	□
31,75	1 1/4	3,93	□	8,68	□
38,10	1 1/2	4,59	□	9,22	□

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

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## Duratron® PBI



Polybenzimidazole [PBI]

Duratron® CU60 PBI

TUBES			
Diameters <sup>[1] [2]</sup>		Duratron® CU60 PBI	
[mm]	[inches]	Standard length: [153 mm <sup>[1]</sup> ]	
O.D. x I.D.	O.D. x I.D.	[kg/pce <sup>[3]</sup> ]	
41,28 x 19,05	1 5/8 x 3/4	0,23	□
66,68 x 25,40	2 5/8 x 1	0,74	□
66,68 x 31,75	2 5/8 x 1 1/4	0,57	□
85,73 x 60,33	3 3/8 x 2 3/8	0,67	□
98,43 x 44,45	3 7/8 x 1 3/4	1,30	□
98,43 x 53,98	3 7/8 x 2 1/8	1,05	□
101,60 x 44,45	4 x 1 3/4	1,57	□
114,30 x 44,45	4 1/2 x 1 3/4	2,06	□
117,48 x 69,85	4 5/8 x 2 3/4	1,67	□
133,35 x 60,33	5 1/4 x 2 3/8	2,74	□
177,80 x 101,60	7 x 4	4,06	□

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

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# Duratron® PAI



Polyamide-imide [PAI] [PAI + GRAPHITE + PTFE] [PAI-GF30]

Duratron® T4203 PAI

Duratron® T4301 PAI

ROUND RODS			
Diameters <sup>[1] [2]</sup>		Duratron® T4203 PAI	
		Standard length: [2440 mm <sup>[1]</sup> ]	
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]	
2,38	3/32	0,02	□
3,18	1/8	0,03	□
6,35	1/4	<b>0,11</b>	■
9,53	3/8	<b>0,31</b>	■
12,70	1/2	<b>0,44</b>	■
15,88	5/8	<b>0,79</b>	■
19,05	3/4	<b>0,98</b>	■
25,40	1	<b>1,74</b>	■
31,75	1 1/4	<b>2,95</b>	■
34,93	1 3/8	3,30	□
38,10	1 1/2	<b>3,92</b>	■
50,80	2	<b>7,36</b>	■

ROUND RODS			
Diameters <sup>[1] [2]</sup>		Duratron® T4301 PAI	
		Standard length: [2440 mm <sup>[1]</sup> ]	
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]	
6,35	1/4	<b>0,11</b>	■
9,53	3/8	<b>0,25</b>	■
12,70	1/2	<b>0,45</b>	■
15,88	5/8	<b>0,70</b>	■
19,05	3/4	<b>1,14</b>	■
25,40	1	<b>1,79</b>	■
31,75	1 1/4	<b>2,80</b>	■
34,93	1 3/8	3,39	□
38,10	1 1/2	4,03	□
50,80	2	<b>7,17</b>	■

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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## Duratron® PAI



Polyamide-imide [PAI] [PAI + GRAPHITE + PTFE] [PAI-GF30]

Duratron® T4503 PAI  
 Duratron® T4501 PAI  
 Duratron® T5530 PAI

ROUND RODS							
Diameters <sup>[1][2]</sup>		Duratron® T4503 PAI		Duratron® T4501 PAI		Duratron® T5530 PAI	
		Standard length per piece: [153 mm <sup>[1]</sup> ]					
[mm]	[inch]	[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
50,80	2	–	–	–	–	0,50	□
53,98	2 1/8	–	–	–	–	0,57	□
57,15	2 1/4	0,55	□	–	–	–	–
60,33	2 3/8	–	–	0,64	□	0,71	□
63,50	2 1/2	0,68	□	–	–	–	–
66,68	2 5/8	–	–	0,78	□	1,01	□
69,85	2 3/4	0,82	□	–	–	–	–
73,03	2 7/8	–	–	0,93	□	1,03	□
76,20	3	0,97	□	–	–	–	–
79,38	3 1/8	–	–	1,10	□	1,22	□
82,55	3 1/4	–	–	–	–	–	–
85,73	3 3/8	–	–	1,28	□	1,42	□
88,90	3 1/2	1,33	□	–	–	–	–
95,25	3 3/4	–	–	–	–	–	–
98,43	3 7/8	–	–	–	–	–	–
101,60	4	1,60	□	2,04	□	2,00	□
127,00	5	2,94	□	2,81	□	3,12	□
152,40	6	3,91	□	4,05	□	4,49	□
177,80	7	5,34	□	5,51	□	6,12	□
203,20	8	7,52	□	7,69	□	7,99	□
228,60	9	8,79	□	9,11	□	10,10	□
254,00	10	11,76	□	11,25	□	12,50	□

<sup>[1]</sup>: all dimensions shown are minimum values<sup>[2]</sup>: for non-listed intermediate diameters, please consult us<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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# Duratron® PAI



Polyamide-imide [PAI] [PAI + GRAPHITE + PTFE] [PAI-GF30]

Duratron® T4203 PAI  
 Duratron® T4301 PAI  
 Duratron® T4501 PAI  
 Duratron® T5530 PAI

PLATES				
Thicknesses <sup>[1] [2]</sup>		Duratron® T4203 PAI		
		Standard size per piece: [305 x 1220 mm <sup>[1]</sup> ]		
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]		
6,35	1/4	3,89		■
9,53	3/8	5,66		■
12,70	1/2	7,43		■
15,88	5/8	8,33		□
19,05	3/4	9,99		□
25,40	1	14,50		□

PLATES				
Thicknesses <sup>[1] [2]</sup>		Duratron® T4301 PAI		
		Standard size per piece: [305 x 1220 mm <sup>[1]</sup> ]		
[mm]	[inches]	[kg/pce <sup>[3]</sup> ]		
6,35	1/4	3,43		■
9,53	3/8	5,14		■
12,70	1/2	6,85		■
15,88	5/8	8,57		■
19,05	3/4	10,30		□
25,40	1	13,70		□

PLATES									
Thicknesses <sup>[1] [2]</sup>		Duratron® T4501 PAI				Duratron® T5530 PAI			
		Standard sizes per piece:							
[mm]	[inches]	[305 x 305 mm <sup>[1]</sup> ]		[305 x 610 mm <sup>[1]</sup> ]		[305 x 305 mm <sup>[1]</sup> ]		[305 x 610 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
9,53	3/8	1,28	□	2,56	□	1,43	□	2,85	□
12,70	1/2	1,71	□	3,43	□	1,90	□	3,80	□
15,88	5/8	2,14	□	4,28	□	2,38	□	4,76	□
19,05	3/4	2,57	□	5,14	□	2,85	□	5,71	□
25,40	1	3,43	□	6,86	□	3,80	□	7,61	□
31,75	1 1/4	4,93	□	8,56	□	4,76	□	9,52	□
38,10	1 1/2	5,15	□	10,30	□	5,71	□	11,40	□
44,45	1 3/4	6,00	□	–	–	6,66	□	–	–
50,80	2	7,82	□	–	–	7,61	□	–	–

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

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## Duratron® PAI



Polyamide-imide [PAI]

Duratron® T4501 PAI

TUBES			
Diameters <sup>[1] [2]</sup>		Duratron® T4501 PAI	
[mm]	[inches]	Standard length: [153 mm <sup>[1]</sup> ]	
O.D. x I.D.	O.D. x I.D.	[kg/pce <sup>[3]</sup> ]	
50,80 x 25,40	2 x 1	0,59	□
69,85 x 44,45	2 3/4 x 1 3/4	0,57	□
76,20 x 44,45	3 x 1 3/4	0,84	□
82,55 x 44,45	3 1/4 x 1 3/4	1,04	□
114,30 x 44,45	4 1/2 x 1 3/4	1,69	□
114,30 x 88,90	4 1/2 x 3 1/2	1,16	□
127,00 x 44,45	5 x 1 3/4	3,02	□
127,00 x 76,20	5 x 3	2,79	□
127,00 x 104,78	5 x 4 1/8	1,40	□
139,70 x 111,13	5 1/2 x 4 3/8	2,88	□
177,80 x 50,80	7 x 2	11,03	□
177,80 x 101,60	7 x 4	4,87	□
177,80 x 127,00	7 x 5	2,61	□
184,15 x 158,75	7 1/4 x 6 1/4	1,62	□
203,20 x 50,80	8 x 2	14,70	□
203,20 x 127,00	8 x 5	5,74	□
203,20 x 152,40	8 x 6	4,35	□
228,60 x 127,00	9 x 5	8,80	□
228,60 x 152,40	9 x 6	6,81	□
228,60 x 177,80	9 x 7	4,97	□
254,00 x 76,20	10 x 3	22,30	□
254,00 x 152,40	10 x 6	8,27	□
254,00 x 177,80	10 x 7	7,50	□
254,00 x 203,20	10 x 8	5,58	□
279,40 x 152,40	11 x 6	10,95	□
304,80 x 88,90	12 x 3 1/2	32,28	□
304,80 x 203,20	12 x 8	8,89	□
381,00 x 203,20	15 x 8	20,60	□
381,00 x 228,60	15 x 9	18,40	□
381,00 x 279,40	15 x 11	14,82	□
622,30 x 457,20	24 1/2 x 18	38,00	□

<sup>[1]</sup>: all dimensions shown are minimum values<sup>[2]</sup>: for non-listed intermediate diameters, please consult us<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured order and subject to special conditions; improved availability possible upon customer planning]

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## Duratron® PAI



POLYAMIDE-IMIDE [PAI + GRAPHITE + PTFE]

Duratron® T4503 PAI

TUBES			
Diameters <sup>[1] [2]</sup>		Duratron® T4503 PAI	
[mm]	[inches]	Standard length: [153 mm <sup>[1]</sup> ]	
O.D. x I.D.	O.D. x I.D.	[kg/pce <sup>[3]</sup> ]	
76,20 x 44,45	3 x 1 3/4	0,81	□
101,60 x 60,33	4 x 2 3/8	1,37	□
101,60 x 73,03	4 x 2 7/8	1,07	□
101,60 x 50,80	4 x 2	1,69	□
104,78 x 44,45	4 1/8 x 1 3/4	2,01	□
107,95 x 66,68	4 1/4 x 2 5/8	1,47	□
114,30 x 50,80	4 1/2 x 2	2,25	□
117,48 x 88,90	4 5/8 x 3 1/2	1,08	□
127,00 x 76,20	5 x 3	2,26	□
127,00 x 76,20	5 x 3	2,46	□
139,70 x 111,13	5 1/2 x 4 3/8	1,30	□
152,40 x 76,20	6 x 3	3,92	□
177,80 x 50,80	7 x 2	11,03	□
177,80 x 127,00	7 x 5	3,65	□
177,80 x 101,60	7 x 4	4,78	□
184,15 x 158,75	7 1/4 x 6 1/4	1,57	□
193,68 x 107,95	7 5/8 x 4 1/4	4,33	□
196,85 x 139,70	7 3/4 x 5 1/2	4,11	□
203,20 x 50,80	8 x 2	14,70	□
203,20 x 127,00	8 x 5	5,64	□
254,00 x 76,20	10 x 3	22,30	□
279,40 x 152,40	11 x 6	10,75	□
304,80 x 203,20	12 x 8	10,05	□
304,80 x 88,90	12 x 3 1/2	16,70	□
381,00 x 279,40	15 x 11	13,00	□
381,00 x 228,60	15 x 9	18,05	□
457,20 x 279,40	18 x 11	25,17	□

<sup>[1]</sup>: all dimensions shown are minimum values<sup>[2]</sup>: for non-listed intermediate diameters, please consult us<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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## Duratron® PAI



Polyamide-imide [PAI + GF30]

Duratron® T5530 PAI

TUBES			
Diameters <sup>[1] [2]</sup>		Duratron® T5530 PAI	
[mm]	[inches]	Standard length: [153 mm <sup>[1]</sup> ]	
O.D. x I.D.	O.D. x I.D.	[kg/pce <sup>[3]</sup> ]	
69,85 x 25,40	2 3/4 x 1	0,99	□
101,60 x 50,80	4 x 2	1,45	□
101,60 x 73,03	4 x 2 7/8	1,22	□
177,80 x 50,80	7 x 2	11,03	□
177,80 x 127,00	7 x 5	4,19	□
203,20 x 50,80	8 x 2	14,70	□
203,20 x 127,00	8 x 5	6,35	□
254,00 x 76,20	10 x 3	22,30	□
254,00 x 152,40	10 x 6	10,05	□
279,40 x 203,20	11 x 8	8,37	□
304,80 x 88,90	12 x 3 1/2	32,28	□

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

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## Ketron® PEEK



Polyetheretherketone [PEEK + SOLID LUBRICANT]

Ketron® 1000 PEEK natural/black  
Ketron® TX PEEK

ROUND RODS							
Diameters [mm]	Tolerances on the diameters [mm]	Ketron® 1000 PEEK natural		Ketron® 1000 PEEK black		Ketron® TX PEEK	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]					
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
3		0,03	□	0,03	□	–	–
4	+0,1 +0,3	0,05	□	0,05	□	–	–
5		0,09	□	0,09	□	–	–
6	+0,1 +0,4	<b>0,12</b>	■	0,12	□	0,13	□
7		0,17	□	0,17	□	0,18	□
8	+0,1 +0,5	<b>0,22</b>	■	0,22	□	0,23	□
9		0,27	□	0,27	□	0,29	□
10		<b>0,33</b>	■	<b>0,33</b>	■	0,35	□
11		0,42	□	0,42	□	0,44	□
12		<b>0,49</b>	■	<b>0,49</b>	■	0,53	□
14		0,66	□	0,66	□	0,71	□
15	+0,2 +0,9	<b>0,76</b>	■	0,76	□	0,80	□
16		<b>0,86</b>	■	<b>0,86</b>	■	0,91	□
18		<b>1,07</b>	■	<b>1,07</b>	□	1,14	□
20		<b>1,32</b>	■	<b>1,32</b>	■	1,40	□
22		<b>1,61</b>	■	1,61	□	1,71	□
25		<b>2,06</b>	■	2,06	■	<b>2,19</b>	■
28	+0,2 +1,2	<b>2,57</b>	■	2,57	□	2,75	□
30		<b>2,94</b>	■	<b>2,94</b>	■	3,12	■
32		<b>3,33</b>	■	3,33	□	3,54	□
35		<b>4,02</b>	■	4,02	■	–	□
36	+0,2 +1,6	4,26	□	4,26	□	4,53	□
40		<b>5,22</b>	■	<b>5,22</b>	■	5,55	□
45		<b>6,66</b>	■	6,66	□	7,08	□
50	+0,3 +2,0	<b>8,16</b>	■	<b>8,16</b>	■	<b>8,70</b>	■
56		10,20	□	10,20	□	10,86	□
60		<b>11,76</b>	■	11,76	□	12,54	□
65	+0,3 +2,5	<b>13,77</b>	■	13,77	□	14,67	□
70		<b>15,90</b>	■	15,90	□	16,95	□
75		18,36	□	18,36	□	19,56	□
80	+0,4 +3,0	<b>20,82</b>	■	20,82	□	<b>22,20</b>	■
90	+0,5 +3,4	<b>26,40</b>	■	26,40	□	28,11	□
100	+0,6 +3,8	<b>32,55</b>	■	32,55	□	34,65	□
110	+0,7 +4,2	<b>39,00</b>	■	–	□	–	–
120	+0,8 +4,6	<b>46,35</b>	■	–	□	–	–
130		<b>54,60</b>	■	–	□	–	–
140	+0,9 +5,4	<b>63,15</b>	■	–	□	–	–
150		72,45	■	–	□	–	–
160		<b>82,35</b>	■	–	□	–	–
170		92,70	□	–	□	–	–
180	+1,0 +5,8	103,80	■	–	□	–	–
190		115,50	□	–	□	–	–
200		127,80	■	–	–	–	–

Other standard length: [1000 mm<sup>[1] [3]</sup>]<sup>[1]</sup>: tolerance on the lengths -0/+3 %<sup>[2]</sup>: average production weights<sup>[3]</sup>: non-standard lengths for diameters over 60 mm■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyetheretherketone [PEEK + CF + PTFE + GRAPHITE] [GF30 PEEK] [CF30 PEEK]

Ketron® HPV PEEK  
 Ketron® GF30 PEEK  
 Ketron® CA30 PEEK

ROUND RODS							
Diameters [mm]	Tolerances on the diameters [mm]	Ketron® HPV PEEK		Ketron® PEEK-GF 30		Ketron® PEEK-CA 30	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]					
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
3		-	-	-	-	-	-
4	+0,1 +0,3	-	-	-	-	-	-
5		-	-	-	-	-	-
6	+0,1 +0,4	0,14	■	0,14	□	0,14	□
7		0,19	□	0,20	□	0,18	□
8	+0,1 +0,5	<b>0,24</b>	■	0,25	□	0,24	□
9		0,30	□	0,32	□	0,29	□
10		<b>0,37</b>	■	<b>0,38</b>	■	<b>0,36</b>	■
11		0,47	□	0,49	□	0,46	□
12		<b>0,55</b>	■	0,58	□	0,54	□
14		0,74	□	0,77	□	0,73	□
15	+0,2 +0,9	0,85	□	0,88	□	0,83	□
16		<b>0,96</b>	■	1,00	□	0,94	□
18		1,20	□	1,25	□	1,17	□
20		<b>1,47</b>	■	<b>1,53</b>	■	<b>1,44</b>	■
22		1,80	□	1,88	□	1,76	□
25		2,30	■	2,40	□	2,25	□
28	+0,2 +1,2	2,87	□	2,99	□	2,81	□
30		<b>3,27</b>	■	<b>3,42</b>	■	<b>3,21</b>	■
32		3,72	□	3,87	□	3,63	□
35		<b>4,47</b>	■	4,68	□	4,38	□
36	+0,2 +1,6	4,74	□	4,92	□	4,65	□
40		<b>5,82</b>	■	<b>6,06</b>	■	<b>5,70</b>	■
45		7,41	□	7,71	□	7,26	□
50	+0,3 +2,0	<b>9,09</b>	■	9,48	■	<b>8,91</b>	■
56		11,34	□	11,82	□	11,10	□
60		13,11	■	<b>13,65</b>	■	12,84	□
65	+0,3 +2,5	15,30	□	15,96	□	15,00	□
70		17,70	□	18,42	□	17,34	□
75		20,43	□	21,30	□	20,01	□
80	+0,4 +3,0	<b>23,19</b>	■	24,15	■	22,71	■
90	+0,5 +3,4	29,37	□	30,60	□	-	-
100	+0,6 +3,8	36,30	■	37,80	■	-	-
110	+0,7 +4,2	-	-	-	-	-	-
120	+0,8 +4,6	-	-	-	-	-	-
130		-	-	-	-	-	-
140	+0,9 +5,4	-	-	-	-	-	-
150		-	-	-	-	-	-
160		-	-	-	-	-	-
170	+1,0 +5,8	-	-	-	-	-	-
180		-	-	-	-	-	-
190		-	-	-	-	-	-
200		-	-	-	-	-	-

Other standard length: [1000 mm<sup>[1]</sup> <sup>[3]</sup>]<sup>[1]</sup>: tolerance on the lengths -0/+3 %<sup>[2]</sup>: average production weights<sup>[3]</sup>: non-standard lengths for diameters over 60 mm■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® PEEK



Polyetheretherketone [PEEK]

Ketron® 1000 PEEK natural/black

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® 1000 PEEK natural			
		Standard size per piece: [615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		Standard size per piece: [1000 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,92	□	22,53	■
6		16,41	□	26,55	■
8		21,72	□	35,10	■
10	+0,2 +0,9	26,70	■	43,20	■
12		32,85	□	53,10	■
15		40,35	□	65,25	□
16	+0,3 +1,5	42,75	□	69,30	■
18		47,70	□	–	–
20		52,80	□	85,35	■
25		65,25	■	105,60	■
30		79,65	■	–	–
35	+0,5 +2,5	92,10	■	–	–
40		104,55	■	–	–
45		117,00	■	–	–
50		129,45	■	–	–
55		143,55	□	–	–
60	+0,5 +3,5	156,00	■	–	–
65		168,45	□	–	–
70		180,90	□	–	–
80		208,20	□	–	–
90		233,10	□	–	–
100	+0,5 +5,0	258,00	□	–	–
		Other standard size: [615 x 1000 mm <sup>[1]</sup> ]		Other standard size: [1000 x 1000 mm <sup>[1]</sup> ]	
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® 1000 PEEK black			
		Standard size per piece: [615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		Standard size per piece: [1000 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,92	□	22,53	□
6		16,41	□	26,55	□
8		21,72	□	35,10	□
10	+0,2 +0,9	26,70	□	43,20	□
12		32,85	□	53,10	□
15		40,35	□	65,25	□
16	+0,3 +1,5	42,75	□	69,30	□
18		47,70	□	–	–
20		52,80	□	85,35	□
25		65,25	□	105,60	□
30		79,65	□	–	–
35	+0,5 +2,5	92,10	□	–	–
40		104,55	□	–	–
45		117,00	□	–	–
50		129,45	□	–	–
55		143,55	□	–	–
60	+0,5 +3,5	156,00	□	–	–
65		168,45	□	–	–
70		180,90	□	–	–
80		208,20	□	–	–
90		233,10	□	–	–
100	+0,5 +5,0	258,00	□	–	–
		Other standard size: [615 x 1000 mm <sup>[1]</sup> ]		Other standard size: [1000 x 1000 mm <sup>[1]</sup> ]	

<sup>[1]</sup>: tolerances: width +5/+25 mm;  
length -0/+3 %

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]  
 ■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]  
 □ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® PEEK



Polyetheretherketone [PEEK + CF + PTFE + GRAPHITE] [PEEK + SOLID LUBRICANT]

Ketron® HPV PEEK

Ketron® TX PEEK

PLATES					
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® HPV PEEK		Ketron® TX PEEK	
		Standard size per piece: [525 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		Standard size per piece: [615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,23	□	14,88	□
6		15,60	□	17,55	□
8		20,64	■	23,25	□
10	+0,2 +0,9	<b>25,38</b>	■	28,56	□
		Other standard size: [525 x 1000 mm <sup>[1][3]</sup> ]		Other standard size: [615 x 1000 mm <sup>[1][3]</sup> ]	
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® HPV PEEK		Ketron® TX PEEK	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		Standard size per piece: [615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
12	+0,3 +1,5	36,90	□	35,10	□
15		45,30	□	43,05	□
16		48,00	■	45,75	□
18		53,70	□	51,15	□
20		<b>59,25</b>	■	56,40	□
25	+0,5 +2,5	73,20	□	69,75	□
30		89,40	■	85,20	□
35		103,35	□	98,55	□
40		117,30	■	111,90	□
45		131,40	□	125,50	□
50	+0,5 +3,5	145,35	□	138,60	□
55		161,10	□	153,60	□
60		175,05	□	166,95	□
65		189,15	□	–	–
70		203,10	□	–	–
80	+0,5 +5,0	233,85	□	–	–
		Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® PEEK



Polyetheretherketone [GF30 PEEK]

Ketron® GF30 PEEK

PLATES			
Thickness [mm]	Tolerances on the thicknesses [mm]	Ketron® GF30 PEEK	
		Standard size per piece: [525 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,77	□
6		16,23	□
8	+0,2 +0,9	21,51	□
10		26,43	□
Other standard size: [525 x 1000 mm <sup>[1][3]</sup> ]			
Thickness [mm]	Tolerances on the thicknesses [mm]	Ketron® GF30 PEEK	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
12	+0,3 +1,5	38,40	□
15		47,10	□
16		50,10	□
18		55,80	□
20		61,65	■
25		76,20	□
30	+0,5 +2,5	93,15	□
35		107,70	■
40		122,25	□
45		136,80	□
50	+0,5 +3,5	151,35	□
55		167,85	□
60		182,40	□
65		196,95	□
70	+0,5 +5,0	211,50	□
80		243,60	□
Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyetheretherketone [CF30 PEEK]

Ketron® CA30 PEEK

PLATES			
Thickness [mm]	Tolerances on the thicknesses [mm]	Ketron® CA30 PEEK	
		Standard size per piece: [525 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	12,96	□
6		15,27	□
8		20,22	□
10	+0,2 +0,9	24,84	□
Other standard size: [525 x 1000 mm <sup>[1][3]</sup> ]			
Thickness [mm]	Tolerances on the thicknesses [mm]	Ketron® CA30 PEEK	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
12	+0,3 +1,5	36,15	□
15		44,25	□
16		47,10	□
18		52,50	□
20		58,05	□
25		71,70	□
30	+0,5 +2,5	87,45	□
35		<b>101,25</b>	■
40		114,90	□
45		128,55	□
50		142,35	□
55	+0,5 +3,5	157,80	□
60		171,45	□
Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Ketron® PEEK



Polyetheretherketone [PEEK] [PEEK + CF + PTFE + GRAPHITE]

Ketron® 1000 PEEK natural/black

Ketron® HPV PEEK

## TUBES

Diameters [mm <sup>[1]</sup> ] O.D. x I.D.	Tolerances on the diameters [mm]		Ketron® 1000 PEEK natural		Ketron® 1000 PEEK black		Ketron® HPV PEEK			
	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ]							
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]			
50 x 30	+0,5	+2,2	-0,5	-2,2	5,67	■	5,67	□	6,24	□
50 x 40					3,57	□	3,57	□	3,93	□
60 x 30					9,39	□	9,39	□	10,35	□
60 x 40	+0,6	+2,8	-0,6	-2,8	7,29	■	7,29	□	8,07	□
60 x 50					4,59	□	4,59	□	5,07	□
70 x 30					13,74	□	13,74	□	15,15	□
70 x 40	+0,6	+3,4	-0,6	-3,4	11,67	□	11,67	□	12,87	□
70 x 50					9,00	■	9,00	□	9,93	□
70 x 60					5,67	□	5,67	□	6,27	□
80 x 40					16,47	□	16,47	□	18,18	□
80 x 50					13,80	□	13,80	□	15,21	□
80 x 60					10,50	■	10,50	□	11,58	□
90 x 40	+1,0	+4,0	-1,4	-5,4	22,53	□	22,53	□	24,84	□
90 x 50					19,92	□	19,92	□	21,99	□
90 x 60					16,71	□	16,71	□	18,42	□
90 x 70					12,87	□	12,87	□	14,19	□
100 x 40					28,62	□	28,62	□	31,50	□
100 x 50					26,01	□	26,01	□	28,71	□
100 x 60					22,80	□	22,80	□	25,14	□
100 x 70					18,96	□	18,96	□	20,91	□
100 x 80					14,49	■	14,49	□	15,96	□
115 x 50					+1,3	+5,0	-1,8	-7,0	37,05	□
115 x 60	33,90	□	33,90	□					37,50	□
115 x 70	30,15	□	30,15	□					33,30	□
115 x 80	25,74	□	25,74	□					28,38	□
115 x 90	20,70	■	20,70	□					22,83	□
115 x 100	15,03	□	15,03	□					16,59	□
125 x 50	44,70	□	44,70	□					49,35	□
125 x 60	41,55	□	41,55	□					45,90	□
125 x 70	37,80	□	37,80	□					41,70	□
125 x 80	33,45	□	33,45	□					36,90	□
125 x 90	28,38	□	28,38	□	31,35	□				
125 x 100	22,74	□	22,74	□	25,08	□				
140 x 50	+1,3	+5,0	-1,8	-7,0	57,45	□	57,45	□	63,45	□
140 x 60					54,30	□	54,30	□	59,85	□
140 x 70					50,55	□	50,55	□	55,80	□
140 x 80					46,05	□	46,05	□	50,85	□
140 x 90					41,10	□	41,10	□	45,30	□
140 x 100					35,40	■	35,40	□	39,15	□
Standard length per piece: [1000 mm <sup>[2]</sup> ]										

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: tolerance on the length: -0/+3 %

<sup>[3]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® PEEK



Polyetheretherketone [PEEK] [PEEK + CF + PTFE + GRAPHITE]

Ketron® 1000 PEEK natural/black

Ketron® HPV PEEK

TUBES										
Diameters	Tolerances on the diameters		Ketron® 1000 PEEK natural		Ketron® 1000 PEEK black		Ketron® HPV PEEK			
[mm <sup>[1]</sup> ]	[mm]		Standard length per piece: [3000 mm <sup>[2]</sup> ]							
O.D. x I.D.	O.D.	I.D.	[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]			
160 x 80	+1,6	+6,0	-2,0	-8,0	66,15	□	66,15	□	73,05	□
160 x 90					61,20	□	61,20	□	67,50	□
160 x 100					55,50	□	55,50	□	61,35	□
160 x 120					<b>42,45</b>	■	42,45	□	46,80	□
180 x 80					87,90	□	87,90	□	96,90	□
180 x 90					82,95	□	82,95	□	91,50	□
180 x 100					77,25	□	77,25	□	85,20	□
180 x 120	64,20	□	64,20	□	70,80	□				
180 x 140	48,60	■	48,60	□	53,55	□				
200 x 100	+1,8	+6,5	-2,3	-9,0	102,30	□	102,30	□	112,80	□
200 x 120					89,25	□	89,25	□	98,55	□
200 x 140					73,80	□	73,80	□	81,30	□
200 x 160					55,65	□	55,65	□	61,50	□
Standard length per piece: [1000 mm <sup>[2]</sup> ]										

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: tolerance on the length: -0/+3 %

<sup>[3]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



## Ketron® PEEK



Polyetheretherketone [GF30 PEEK] [CF30 PEEK]

Ketron® GF30 PEEK  
Ketron® CA30 PEEK

TUBES								
Diameters [mm <sup>[1]</sup> ]	Tolerances on the diameters [mm]		Ketron® GF30 PEEK		Ketron® CA30 PEEK			
			Standard length per piece: [3000 mm <sup>[2]</sup> ]					
			O.D. x I.D.	O.D.	I.D.	[kg/pce <sup>[3]</sup> ]	[kg/pce <sup>[3]</sup> ]	
50 x 30				6,51	□	6,12	□	
50 x 40	+0,5	+2,2	-0,5	-2,2	4,11	□	3,84	□
60 x 30				10,77	□	10,14	□	
60 x 40	+0,6	+2,8	-0,6	-2,8	8,40	□	7,89	□
60 x 50				5,28	□	4,98	□	
70 x 30				15,78	□	14,85	□	
70 x 40				13,41	□	12,60	□	
70 x 50				10,32	□	9,72	□	
70 x 60	+0,6	+3,4	-0,6	-3,4	6,54	□	6,15	□
80 x 40				18,93	□	17,79	□	
80 x 50				15,87	□	14,91	□	
80 x 60				12,06	□	11,34	□	
90 x 40				25,89	□	24,33	□	
90 x 50				22,89	□	21,54	□	
90 x 60				19,20	□	18,06	□	
90 x 70				14,79	□	13,89	□	
100 x 50	+1,0	+4,0	-1,4	-5,4	29,91	□	28,11	□
100 x 60				26,19	□	24,63	□	
100 x 70				21,78	□	20,46	□	
100 x 80				16,65	□	15,63	□	
115 x 60				39,00	□	36,60	□	
115 x 70				34,65	□	32,55	□	
115 x 80				29,58	□	27,81	□	
115 x 90				23,79	□	22,35	□	
115 x 100				17,28	□	16,26	□	
125 x 70	+1,3	+5,0	-1,8	-7,0	43,50	□	40,80	□
125 x 80				38,40	□	36,15	□	
125 x 90				32,70	□	30,60	□	
125 x 100				26,13	□	24,57	□	
140 x 80				52,95	□	49,80	□	
140 x 90				47,25	□	44,40	□	
140 x 100				40,80	□	38,25	□	
160 x 90				70,35	□	66,15	□	
160 x 100				63,90	□	60,00	□	
160 x 120				48,75	□	45,90	□	
180 x 100	+1,6	+6,0	-2,0	-8,0	88,80	□	83,55	□
180 x 120				73,80	□	69,30	□	
180 x 140				55,80	□	52,50	□	
200 x 120				102,60	□	96,45	□	
200 x 140	+1,8	+6,5	-2,3	-9,0	84,75	□	79,65	□
200 x 160				64,05	□	60,15	□	
Standard length per piece: [1000 mm <sup>[2]</sup> ]								

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us<sup>[2]</sup>: tolerance on the length: -0/+3 %<sup>[3]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyetheretherketone [PEEK]

Ketron® PEEK SP Grades

TUBES							
Diameters [mm <sup>[1][2]</sup> ]	Standard length [mm <sup>[3]</sup> ]	Ketron® PEEK-1000 SP	Ketron® GF30 PEEK SP	Ketron® CA30 PEEK SP	Ketron® HPV PEEK SP	Ketron® PEEK-TF20 SP	Ketron® PEEK-HT SP
O.D. x I.D.							
43 x 20	150	□	□	□	□	□	O.R.
48 x 25	150	□	□	□	□	□	O.R.
58 x 25	150	□	□	□	□	□	O.R.
63 x 30	150	□	□	□	□	□	O.R.
63 x 36	150	□	□	□	□	□	O.R.
72 x 36	150	□	□	□	□	□	O.R.
72 x 43	150	□	□	□	□	□	O.R.
77 x 30	150	□	□	□	□	□	O.R.
77 x 40	150	□	□	□	□	□	O.R.
77 x 50	150	□	□	□	□	□	O.R.
87 x 50	150	□	□	□	□	□	O.R.
87 x 56	150	□	□	□	□	□	O.R.
97 x 43	150	□	□	□	□	□	O.R.
97 x 56	150	□	□	□	□	□	O.R.
97 x 64	150	□	□	□	□	□	O.R.
106 x 56	150	□	□	□	□	□	O.R.
106 x 64	150	□	□	□	□	□	O.R.
106 x 78	150	□	□	□	□	□	O.R.
112 x 78	150	□	□	□	□	□	O.R.
121 x 64	150	□	□	□	□	□	O.R.
121 x 78	150	□	□	□	□	□	O.R.
121 x 88	150	□	□	□	□	□	O.R.
126 x 65	150	□	O.R.	O.R.	O.R.	O.R.	O.R.
126 x 78	150	□	□	□	□	□	O.R.
126 x 88	150	□	□	□	□	□	O.R.
136 x 64	150	□	O.R.	O.R.	O.R.	O.R.	O.R.
136 x 78	150	□	□	□	□	□	O.R.
136 x 98	150	□	□	□	□	□	O.R.
138 x 65	350	O.R.	□	O.R.	O.R.	O.R.	O.R.
145 x 98	150	□	□	□	□	□	O.R.
145 x 108	150	□	□	□	□	□	O.R.
155 x 98	150	□	□	□	□	□	O.R.
155 x 108	150	□	□	□	□	□	O.R.
155 x 118	150	□	□	□	□	□	O.R.
165 x 108	150	□	□	□	□	□	O.R.
165 x 128	150	□	□	□	□	□	O.R.
175 x 128	150	□	□	□	□	□	O.R.
184 x 118	150	□	□	□	□	□	O.R.
184 x 128	150	□	□	□	□	□	O.R.
184 x 147	150	□	□	□	□	□	O.R.
194 x 77	150	O.R.	□	O.R.	O.R.	O.R.	O.R.

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us<sup>[2]</sup>: tolerances on O.D. and I.D.: +/-0,7 %<sup>[3]</sup>: tolerance on length: +/-2 mm■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: please check for lead-time and minimum order quantity

# Ketron® PEEK



Polyetheretherketone [PEEK]

Ketron® PEEK SP Grades

TUBES							
Diameters [mm <sup>[1][2]</sup> ]	Standard length [mm <sup>[3]</sup> ]	Ketron® PEEK-1000 SP	Ketron® GF30 PEEK SP	Ketron® CA30 PEEK SP	Ketron® HPV PEEK SP	Ketron® PEEK-TF20 SP	Ketron® PEEK-HT SP
O.D. x I.D.							
194 x 147	150	□	□	□	□	□	O.R.
213 x 128	150	□	□	□	□	□	O.R.
213 x 147	150	□	□	□	□	□	O.R.
213 x 157	150	□	□	□	□	□	O.R.
213 x 177	150	□	□	□	□	□	O.R.
220 x 120	315	□	O.R.	O.R.	O.R.	O.R.	O.R.
220 x 140	240	O.R.	□	O.R.	O.R.	O.R.	O.R.
220 x 140	315	□	O.R.	O.R.	O.R.	O.R.	O.R.
242 x 186	306	□	□	□	□	□	O.R.
242 x 186	150	□	□	□	□	□	O.R.
266 x 147	100	□	O.R.	O.R.	O.R.	O.R.	O.R.
266 x 220	150	□	□	□	□	□	O.R.
275 x 186	350	□	O.R.	□	□	O.R.	O.R.
281 x 245	150	□	O.R.	□	□	□	O.R.
300 x 215	320	□	O.R.	O.R.	O.R.	O.R.	O.R.
300 x 220	150	□	□	□	□	□	O.R.
300 x 245	150	□	□	□	□	□	O.R.
300 x 265	150	□	□	□	□	□	O.R.
320 x 265	150	□	O.R.	□	□	O.R.	O.R.
335 x 294	100	□	O.R.	O.R.	O.R.	□	O.R.
346 x 294	100	□	□	□	□	□	O.R.
365 x 275	320	□	O.R.	O.R.	O.R.	O.R.	O.R.
413 x 336	100	□	□	□	□	□	O.R.
413 x 370	100	□	□	□	□	□	O.R.
465 x 390	160	□	O.R.	O.R.	O.R.	O.R.	O.R.
500 x 440	100	□	□	□	□	□	O.R.
535 x 470	100	□	□	□	□	□	O.R.
678 x 625	40	□	O.R.	O.R.	O.R.	□	O.R.

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: tolerances on O.D. and I.D.: +/-0,7 %

<sup>[3]</sup>: tolerance on length: +/-2 mm

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: please check for lead-time and minimum order quantity



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207  
Fluorosint® 500

ROUND RODS						
Diameters <sup>[1]</sup>		Tolerances on the diameters [mm]	Fluorosint® 207		Fluorosint® 500	
[mm]	[inches]		Standard length: [1220 mm <sup>[2]</sup> ]			
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
12,70	1	-0,03 +0,03	0,37	□	0,36	□
19,05	3/4		<b>0,82</b>	■	<b>0,81</b>	■
25,40	1	-0,0 +0,30	1,44	□	<b>1,43</b>	■
31,75	1 1/4		<b>2,22</b>	■	2,24	□
Diameters <sup>[1]</sup>		Tolerances on the diameters [mm]	Fluorosint® 207		Fluorosint® 500	
[mm]	[inches]		Standard length: [305 mm <sup>[2]</sup> ]			
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
12,70	1/2	-0,0 +3,00	0,09	□	0,09	□
19,05	3/4		0,20	□	0,20	□
25,40	1		0,36	□	0,40	□
31,75	1 1/4		0,56	□	0,58	□
38,10	1 1/2		0,80	□	0,81	□
44,45	1 3/4		1,09	□	1,36	□
50,80	2		1,42	□	1,75	■
53,98	2 1/8		1,61	□	1,62	□
57,15	2 1/4		1,80	□	1,82	□
63,50	2 1/2		2,22	□	2,24	■
69,85	2 3/4		2,69	□	2,71	□
76,20	3		3,20	□	3,23	□
82,55	3 1/4		3,75	□	3,79	□
88,90	3 1/2		4,62	□	4,39	□
95,25	3 3/4		5,00	□	5,04	□
101,60	4		5,69	□	5,74	□
107,95	4 1/4	6,42	□	6,48	□	
114,30	4 1/2	7,20	□	7,26	□	
120,65	4 3/4	8,02	□	9,22	□	
127,00	5	8,89	□	10,70	□	
139,70	5 1/2	10,75	□	12,83	□	
152,40	6	12,80	□	14,41	□	
177,80	7	20,22	□	17,55	□	
203,20	8	26,20	□	25,11	□	
222,25	8 3/4	27,20	□	27,45	□	

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: all lengths shown are minimum values

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Fluorosint®



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

PLATES						
Thicknesses		Tolerances on the thicknesses [mm]	Fluorosint® 207		Fluorosint® 500	
[mm]	[inches]		Standard size per piece: [305 x 305 mm <sup>[1]</sup> ]			
			[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
6,35	1/4	-0,0 +1,0	1,36	□	1,37	■
7,94	5/16	-0,0 +1,5	1,70	□	2,04	□
9,53	3/8		<b>2,04</b>	■	<b>2,06</b>	■
12,70	1/2	-0,0 +2,0	2,72	□	2,74	□
19,05	3/4	-0,0 +3,0	4,08	□	4,11	□
25,40	1	-0,0 +4,0	5,43	□	5,48	□
31,75	1 1/4	-0,0 +5,0	6,79	□	6,85	□
38,10	1 1/2	-0,0 +6,0	8,15	□	8,22	□
44,45	1 3/4	-0,0 +7,0	9,51	□	10,17	□
50,80	2	-0,0 +8,0	12,40	□	10,95	□
63,50	2 1/2	-0,0 +10,0	15,46	□	15,59	□
76,20	3	-0,0 +12,0	17,33	□	16,45	□

<sup>[1]</sup>: tolerance on width and length -0/+6 mm

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

TUBES					
Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
31,75 x 12,70	1 1/4 x 1/2	305	0,47	☐	☐
31,75 x 19,05	1 1/4 x 3/4	305	0,36	☐	☐
31,75 x 25,40	1 1/4 x 1	305	0,20	☐	☐
38,10 x 11,10	1 1/2 x 7/16	150	0,36	☐	☐
38,10 x 12,70	1 1/2 x 1/2	150	0,35	☐	☐
38,10 x 15,88	1 1/2 x 5/8	150	0,33	☐	☐
38,10 x 19,05	1 1/2 x 3/4	150	0,30	☐	☐
38,10 x 22,23	1 1/2 x 7/8	305	0,53	☐	☐
38,10 x 25,40	1 1/2 x 1	305	0,45	☐	☐
44,45 x 9,53	1 3/4 x 3/8	150	0,52	☐	☐
44,45 x 12,70	1 3/4 x 1/2	150	0,49	☐	☐
44,45 x 15,88	1 3/4 x 5/8	305	0,96	☐	☐
44,45 x 19,05	1 3/4 x 3/4	305	0,90	☐	☐
44,45 x 22,23	1 3/4 x 7/8	305	0,82	☐	☐
44,45 x 25,40	1 3/4 x 1	305	0,74	☐	☐
44,45 x 31,75	1 3/4 x 1 1/4	305	0,54	☐	☐
47,63 x 15,88	1 7/8 x 5/8	305	1,12	☐	☐
47,63 x 19,05	1 7/8 x 3/4	305	1,05	☐	☐
47,63 x 22,23	1 7/8 x 7/8	305	0,98	☐	☐
47,63 x 25,40	1 7/8 x 1	305	0,90	☐	☐
47,63 x 28,58	1 7/8 x 1 1/8	305	1,10	☐	☐
47,63 x 31,75	1 7/8 x 1 1/4	305	0,70	☐	☐
47,63 x 34,93	1 7/8 x 1 3/8	305	0,58	☐	☐
47,63 x 38,10	1 7/8 x 1 1/2	305	0,45	☐	☐
50,80 x 12,70	2 x 1/2	150	0,66	☐	☐
50,80 x 15,88	2 x 5/8	305	1,29	☐	☐
50,80 x 19,05	2 x 3/4	305	1,23	☐	☐
50,80 x 22,23	2 x 7/8	305	1,48	☐	☐
50,80 x 25,40	2 x 1	305	1,07	☐	☐
50,80 x 28,58	2 x 1 1/8	305	0,98	☐	☐
50,80 x 31,75	2 x 1 1/4	305	0,87	☐	☐
50,80 x 34,93	2 x 1 3/8	305	0,76	☐	☐
50,80 x 38,10	2 x 1 1/2	305	0,63	☐	☐
57,15 x 12,70	2 1/4 x 1/2	150	0,85	☐	☐
57,15 x 19,05	2 1/4 x 3/4	305	1,61	☐	☐
57,15 x 25,40	2 1/4 x 1	305	1,45	☐	☐
57,15 x 31,75	2 1/4 x 1 1/4	305	1,25	☐	☐

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- ☐ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

TUBES					
Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
57,15 x 38,10	2 1/4 x 1 1/2	305	1,00	□	□
57,15 x 44,45	2 1/4 x 1 3/4	305	1,07	□	□
63,50 x 22,23	2 1/2 x 7/8	305	1,96	□	□
63,50 x 25,40	2 1/2 x 1	305	1,87	□	□
63,50 x 31,75	2 1/2 x 1 1/4	305	1,67	□	□
63,50 x 38,10	2 1/2 x 1 1/2	305	1,85	□	□
63,50 x 44,45	2 1/2 x 1 3/4	305	1,14	□	□
63,50 x 50,80	2 1/2 x 2	305	0,81	□	□
69,85 x 12,70	2 3/4 x 1/2	150	1,28	□	□
69,85 x 25,40	2 3/4 x 1	305	2,34	□	□
69,85 x 31,75	2 3/4 x 1 1/4	305	2,14	□	□
69,85 x 38,10	2 3/4 x 1 1/2	305	1,90	□	□
69,85 x 44,45	2 3/4 x 1 3/4	305	1,61	□	■
69,85 x 50,80	2 3/4 x 2	305	1,27	□	■
69,85 x 57,15	2 3/4 x 2 1/4	305	0,90	□	□
76,20 x 11,11	3 x 7/16	150	1,55	□	□
76,20 x 12,70	3 x 1/2	150	1,54	□	□
76,20 x 22,23	3 x 7/8	305	2,94	□	□
76,20 x 25,40	3 x 1	305	2,86	□	□
76,20 x 31,75	3 x 1 1/4	305	2,66	□	□
76,20 x 38,10	3 x 1 1/2	305	2,73	□	□
76,20 x 44,45	3 x 1 3/4	305	2,12	□	□
76,20 x 50,80	3 x 2	305	1,79	□	□
76,20 x 57,15	3 x 2 1/4	305	1,41	□	■
76,20 x 63,50	3 x 2 1/2	305	0,98	□	□
82,55 x 12,70	3 1/4 x 1/2	150	1,81	□	□
82,55 x 19,05	3 1/4 x 3/4	150	1,76	□	□
82,55 x 25,40	3 1/4 x 1	305	3,41	□	□
82,55 x 31,75	3 1/4 x 1 1/4	305	3,21	□	□
82,55 x 38,10	3 1/4 x 1 1/2	305	2,97	□	□
82,55 x 44,45	3 1/4 x 1 3/4	305	2,68	□	□
82,55 x 50,80	3 1/4 x 2	305	2,34	□	□
82,55 x 53,98	3 1/4 x 2 1/8	305	2,16	□	□
82,55 x 57,15	3 1/4 x 2 1/4	305	1,96	□	□
82,55 x 63,50	3 1/4 x 2 1/2	305	1,54	□	□
82,55 x 69,85	3 1/4 x 2 3/4	305	1,07	□	□
88,90 x 25,40	3 1/2 x 1	305	4,02	□	□

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

## TUBES

Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
88,90 x 31,75	3 1/2 x 1 1/4	305	3,82	□	□
88,90 x 38,10	3 1/2 x 1 1/2	305	3,57	□	□
88,90 x 44,45	3 1/2 x 1 3/4	305	3,28	□	□
88,90 x 50,80	3 1/2 x 2	305	2,95	□	■
88,90 x 57,15	3 1/2 x 2 1/4	305	2,57	□	□
88,90 x 63,50	3 1/2 x 2 1/2	305	2,77	□	■
88,90 x 69,85	3 1/2 x 2 3/4	305	1,67	□	□
88,90 x 76,20	3 1/2 x 3	305	1,16	□	□
95,25 x 25,40	3 3/4 x 1	305	4,66	□	□
95,25 x 31,75	3 3/4 x 1 1/4	305	4,46	□	□
95,25 x 38,10	3 3/4 x 1 1/2	305	4,98	□	□
95,25 x 44,45	3 3/4 x 1 3/4	305	3,93	□	□
95,25 x 50,80	3 3/4 x 2	305	3,59	□	□
95,25 x 57,15	3 3/4 x 2 1/4	305	3,21	□	□
95,25 x 63,50	3 3/4 x 2 1/2	305	2,79	□	□
95,25 x 69,85	3 3/4 x 2 3/4	305	2,32	□	□
95,25 x 76,20	3 3/4 x 3	305	1,81	□	□
95,25 x 82,55	3 3/4 x 3 1/4	305	1,25	□	□
101,60 x 25,40	4 x 1	305	5,36	□	■
101,60 x 31,75	4 x 1 1/4	305	5,15	□	□
101,60 x 50,80	4 x 2	305	5,10	□	□
101,60 x 57,15	4 x 2 1/4	305	4,70	□	□
101,60 x 63,50	4 x 2 1/2	305	3,48	□	□
101,60 x 69,85	4 x 2 3/4	305	3,01	□	□
101,60 x 76,20	4 x 3	305	2,50	□	□
101,60 x 82,55	4 x 3 1/4	305	1,94	□	□
101,60 x 88,90	4 x 3 1/2	305	1,34	□	□
107,95 x 22,23	4 1/4 x 7/8	150	3,04	□	□
107,95 x 25,40	4 1/4 x 1	150	3,00	□	□
107,95 x 50,80	4 1/4 x 2	305	5,02	□	□
107,95 x 63,50	4 1/4 x 2 1/2	305	4,22	□	□
107,95 x 76,20	4 1/4 x 3	305	3,24	□	□
107,95 x 82,55	4 1/4 x 3 1/4	305	2,68	□	□
107,95 x 88,90	4 1/4 x 3 1/2	305	2,81	□	□
107,95 x 95,25	4 1/4 x 3 3/4	305	1,43	□	□
114,30 x 25,40	4 1/2 x 1	150	3,38	□	□
114,30 x 44,45	4 1/2 x 1 3/4	305	6,14	□	□

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207  
Fluorosint® 500

## TUBES

Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
114,30 x 50,80	4 1/2 x 2	305	5,80	□	□
114,30 x 63,50	4 1/2 x 2 1/2	305	5,00	□	□
114,30 x 69,85	4 1/2 x 2 3/4	305	4,53	□	□
114,30 x 76,20	4 1/2 x 3	305	4,02	□	□
114,30 x 82,55	4 1/2 x 3 1/4	305	3,46	□	□
114,30 x 88,90	4 1/2 x 3 1/2	305	2,86	□	□
114,30 x 95,25	4 1/2 x 3 3/4	305	2,21	□	□
114,30 x 101,60	4 1/2 x 4	305	1,52	□	□
120,65 x 63,50	4 3/4 x 2 1/2	305	5,82	□	□
120,65 x 69,85	4 3/4 x 2 3/4	305	6,42	□	□
120,65 x 76,20	4 3/4 x 3	305	5,75	□	□
120,65 x 82,55	4 3/4 x 3 1/4	305	5,27	□	□
120,65 x 88,90	4 3/4 x 3 1/2	305	3,68	□	□
120,65 x 95,25	4 3/4 x 3 3/4	305	3,03	□	■
120,65 x 101,60	4 3/4 x 4	305	2,34	□	□
120,65 x 107,95	4 3/4 x 4 1/4	305	1,61	□	□
127,00 x 22,23	5 x 7/8	150	4,25	□	□
127,00 x 31,75	5 x 1 1/4	305	8,37	□	□
127,00 x 69,85	5 x 2 3/4	305	6,23	□	□
127,00 x 76,20	5 x 3	305	5,71	□	□
127,00 x 88,90	5 x 3 1/2	305	4,55	□	□
127,00 x 95,25	5 x 3 3/4	305	3,90	□	□
127,00 x 101,60	5 x 4	305	3,21	□	□
127,00 x 107,95	5 x 4 1/4	305	4,83	□	□
127,00 x 114,30	5 x 4 1/2	305	1,70	□	□
133,35 x 31,75	5 1/4 x 1 1/4	305	11,25	□	□
133,35 x 88,90	5 1/4 x 3 1/2	305	5,47	□	□
133,35 x 95,25	5 1/4 x 3 3/4	305	4,82	□	□
133,35 x 101,60	5 1/4 x 4	305	4,13	□	□
133,35 x 104,78	5 1/4 x 4 1/8	305	3,77	□	□
133,35 x 107,95	5 1/4 x 4 1/4	305	3,39	□	□
133,35 x 114,30	5 1/4 x 4 1/2	305	4,23	□	□
139,70 x 50,80	5 1/2 x 2	305	9,37	□	□
139,70 x 76,20	5 1/2 x 3	305	7,59	□	□
139,70 x 88,90	5 1/2 x 3 1/2	305	6,43	□	□
139,70 x 101,60	5 1/2 x 4	305	5,09	□	□
139,70 x 114,30	5 1/2 x 4 1/2	305	3,57	□	□

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

## TUBES

Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
146,05 x 120,65	5 3/4 x 4 3/4	305	4,55	□	□
152,40 x 25,40	6 x 1	150	6,15	□	□
152,40 x 50,80	6 x 2	305	11,40	□	□
152,40 x 76,20	6 x 3	305	9,64	□	□
152,40 x 95,25	6 x 3 3/4	305	7,83	□	□
152,40 x 101,60	6 x 4	305	7,14	□	□
152,40 x 107,95	6 x 4 1/4	305	6,40	□	□
152,40 x 114,30	6 x 4 1/2	305	5,62	□	□
152,40 x 127,00	6 x 5	305	3,93	□	□
158,75 x 31,75	6 1/4 x 1 1/4	305	13,40	□	□
158,75 x 101,60	6 1/4 x 4	305	8,23	□	□
158,75 x 127,00	6 1/4 x 5	305	5,02	□	□
165,10 x 76,20	6 1/2 x 3	305	11,85	□	□
165,10 x 101,60	6 1/2 x 4	305	9,37	□	□
165,10 x 127,00	6 1/2 x 5	305	6,16	□	□
165,10 x 139,70	6 1/2 x 5 1/2	305	4,28	□	□
177,80 x 31,75	7 x 1 1/4	150	8,33	□	□
177,80 x 44,45	7 x 1 3/4	150	9,61	□	□
177,80 x 101,60	7 x 4	305	11,80	□	□
177,80 x 127,00	7 x 5	305	8,57	□	□
177,80 x 165,10	7 x 6 1/2	305	4,63	□	□
184,15 x 25,40	7 1/4 x 1	150	9,05	□	□
184,15 x 38,10	7 1/4 x 1 1/2	150	8,83	□	□
184,15 x 127,00	7 1/4 x 5	305	9,84	□	□
184,15 x 139,70	7 1/4 x 5 1/2	305	7,97	□	□
184,15 x 152,40	7 1/4 x 6	305	5,91	□	□
184,15 x 165,10	7 1/4 x 6 1/2	305	6,01	□	□
190,50 x 127,00	7 1/2 x 5	305	13,97	□	□
190,50 x 152,40	7 1/2 x 6	305	7,23	□	□
190,50 x 165,10	7 1/2 x 6 1/2	305	5,00	□	□
190,50 x 177,80	7 1/2 x 7	305	2,59	□	□
196,85 x 38,10	7 3/4 x 1 1/2	150	10,15	□	□
196,85 x 69,85	7 3/4 x 2 3/4	305	21,98	□	□
196,85 x 165,10	7 3/4 x 6 1/2	305	6,36	□	□
203,20 x 31,75	8 x 1 1/4	76	5,55	□	□
203,20 x 38,10	8 x 1 1/2	76	6,86	□	□
203,20 x 139,70	8 x 5 1/2	305	12,05	□	□

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Reinforced Polytetrafluorethylene [PTFE + MICA]

Fluorosint® 207

Fluorosint® 500

TUBES					
Diameters <sup>[1]</sup>		Standard lengths [mm]	Weight [kg/pce <sup>[2]</sup> ]	Fluorosint® 207	Fluorosint® 500
[mm] O.D. x I.D.	[inches] O.D. x I.D.				
203,20 x 152,40	8 x 6	305	10,00	□	□
203,20 x 165,10	8 x 6 1/2	305	7,76	□	□
203,20 x 171,45	8 x 6 3/4	305	6,58	□	□
209,55 x 158,75	8 1/4 x 6 1/4	305	10,35	□	□
215,90 x 152,40	8 1/2 x 6	305	12,95	□	□
215,90 x 177,80	8 1/2 x 7	305	8,30	□	□
222,25 x 209,55	8 3/4 x 8 1/4	305	3,03	□	□
228,60 x 152,40	9 x 6	305	16,05	□	□
228,60 x 177,80	9 x 7	305	11,40	□	□
228,60 x 203,20	9 x 8	305	6,07	□	□
241,30 x 152,40	9 1/2 x 6	305	19,35	□	□
241,30 x 177,80	9 1/2 x 7	305	14,75	□	□
241,30 x 203,20	9 1/2 x 8	305	9,37	□	□
241,30 x 215,90	9 1/2 x 8 1/2	305	6,43	□	□
254,00 x 152,40	10 x 6	305	22,85	□	□
254,00 x 177,80	10 x 7	305	18,20	□	□
254,00 x 203,20	10 x 8	305	12,85	□	□
254,00 x 215,90	10 x 8 1/2	305	9,91	□	□
266,70 x 152,40	10 1/2 x 6	305	26,50	□	□
266,70 x 177,80	10 1/2 x 7	305	21,85	□	□
266,70 x 190,50	10 1/2 x 7 1/2	305	19,30	□	□
266,70 x 215,90	10 1/2 x 8 1/2	305	13,55	□	■
279,40 x 139,70	11 x 5 1/2	305	32,40	□	□
304,80 x 139,70	12 x 5 1/2	305	40,60	□	□
304,80 x 177,80	12 x 7	305	33,90	□	□
304,80 x 203,20	12 x 8	305	28,55	□	□
304,80 x 215,90	12 x 8 1/2	305	30,76	□	□
304,80 x 228,60	12 x 9	305	22,50	□	□
304,80 x 254,00	12 x 10	305	15,70	□	■

Outside diameter [O.D.] [mm]	Tolerances [mm] on:	
	O.D.	I.D.
31,75 – 120,65	-0,0 +3	-0,0 -1,5
127,00 – 184,15	-0,0 +6,0	-0,0 -3,0
190,50 – 304,80		

Tolerances on the lengths [mm]
76 [-0,0 +6,0]
150 [-0,0 +13,0]
305 [-0,0 +25,0]

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Semitron® ESd



Static Dissipative Polyetherimide [PEI]

Semitron® ESd 410C

ROUND RODS				
Diameters <sup>[1] [2]</sup>		Standard lengths [mm <sup>[1]</sup> ]	Semitron® ESd 410C	
[mm]	[inches]		[kg/pce <sup>[3]</sup> ]	
9,53	0,375	305	0,03	□
12,70	1/2	305	0,05	□
15,88	5/8	305	0,09	□
19,05	3/4	305	0,12	□
25,40	1	305	0,22	□
31,75	1 1/4	305	0,34	□
38,10	1 1/2	305	0,49	□
47,63	1 7/8	203	0,77	□
76,20	3	153	1,34	□
111,13	4,375	153	2,34	□

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# Semitron® ESd

Static Dissipative Polyetherimide [PEI]  
 Static Dissipative Polyetrafluorethylene [PTFE + MICA]  
 Static Dissipative Polyamide-imide [PAI]

Semitron® ESd 410C  
 Semitron® ESd 500HR  
 Semitron® ESd 520HR

PLATES					
Thicknesses <sup>[1][2]</sup>		Semitron® ESd 410C			
[mm]	[inch]	Standard size per piece: [305 x 305 mm <sup>[1]</sup> ]		Standard size per piece: [305 x 610 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
9,53	3/8	1,25	□	2,50	■
12,70	1/2	<b>1,97</b>	■	<b>3,79</b>	■
15,88	5/8	2,08	□	4,17	□
19,05	3/4	2,50	□	5,00	□
25,40	1	3,33	■	6,66	□
31,75	1 1/4	4,16	□	–	–
38,10	1 1/2	5,00	□	–	–
44,45	1 3/4	5,83	□	–	–
50,80	2	6,66	□	–	–

PLATES				
Thicknesses <sup>[1][2]</sup>		Semitron® ESd 500HR		
[mm]	[inches]	Standard size per piece: [305 x 305 mm <sup>[1]</sup> ]		
		[kg/pce <sup>[3]</sup> ]		
6,35	1/4	1,35	□	
9,53	3/8	2,02	□	
12,70	1/2	2,70	□	
15,88	5/8	3,38	□	
19,05	3/4	4,05	□	
25,40	1	5,40	□	
31,75	1 1/4	6,76	□	
38,10	1 1/2	8,11	□	
44,45	1 3/4	9,46	□	
50,80	2	10,80	□	

PLATES				
Thicknesses <sup>[1][2]</sup>		Semitron® ESd 520HR		
[mm]	[inches]	Standard size per piece: [305 x 305 mm <sup>[1]</sup> ]		
		[kg/pce <sup>[3]</sup> ]		
9,53	3/8	1,68	□	
12,70	1/2	1,87	□	
15,88	5/8	2,33	□	
19,05	3/4	2,80	■	
25,40	1	3,73	□	
31,75	1 1/4	4,95	□	
38,10	1 1/2	5,60	■	

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate thicknesses, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
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# Advanced Engineering Plastics for elevated temperature range up to 240 °C

Techtron® | Quadrant® PPSU/PSU | Duratron® U1000 PEI



## Techtron®

### Techtron HPV PPS [PPS + solid lubricant; colour deep-blue]

Techtron HPV PPS demonstrates an excellent combination of properties including wear resistance, load-bearing capabilities and dimensional stability when exposed to chemicals and high temperature environments. Techtron HPV PPS is found in applications where PA, POM, PET and other plastics fall short or where PI, PEEK and PAI are over-engineered and a more economical solution must be found. Thanks to the uniformly dispersed internal lubricant, Techtron HPV PPS exhibits an excellent wear resistance and a low coefficient of friction. It overcomes the disadvantages of virgin PPS caused by a high coefficient of friction and of a glass fibre reinforced PPS which causes premature wear of the counterface in moving-part applications.

## Quadrant® PPSU/PSU

### Quadrant PPSU

Quadrant PPSU is an amorphous high performance thermoplastic, offering better impact strength and chemical resistance than polysulfone and polyetherimide. Quadrant PPSU also has superior hydrolysis resistance as measured by steam autoclaving cycles to failure, making it especially suited for repeated steam sterilisation applications.

### Quadrant PSU

Quadrant PSU is a translucent [non-optical quality] amorphous thermoplastic material, offering a combination of excellent mechanical, thermal and electrical properties. It often replaces polycarbonate whenever higher temperature resistance, improved chemical resistance or autoclavability is required.

## Duratron® PEI

### Duratron U1000 PEI

Duratron U1000 PEI 1000 is an amber translucent [non-optical quality] amorphous thermoplastic material, offering high strength and heat resistance. It performs continuously to 170 °C, making it ideal for high strength/high heat applications, and also for applications requiring consistent dielectric properties over a wide frequency and temperature range.

# Techtron® HPV PPS



Polyphenylene Sulfide [PPS]

Techtron® HPV PPS

ROUND RODS			
Diameters [mm]	Tolerances on the diameters [mm]	Techtron® HPV PPS	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
8		0,24	□
10	+0,1 +0,5	0,37	□
12		0,55	□
15		0,84	□
16	+0,2 +0,9	<b>0,95</b>	■
18		1,19	□
20		<b>1,46</b>	■
22		1,79	□
25		<b>2,30</b>	■
28	+0,2 +1,2	2,85	□
30		<b>3,27</b>	■
32		3,69	□
36		<b>4,71</b>	■
40	+0,2 +1,6	<b>5,79</b>	■
45		7,38	□
50	+0,3 +2,0	<b>9,06</b>	■
56		11,31	☑
60		<b>13,05</b>	■
65	+0,3 +2,5	15,27	□
70		17,64	□
75		20,37	□
80	+0,4 +3,0	23,10	☑
90	+0,5 +3,4	29,25	□
100	+0,6 +3,8	<b>36,15</b>	■
110	+0,7 +4,2	44,10	□
120	+0,8 +4,6	52,65	□
125		56,85	□
130	+0,9 +5,4	61,95	□
<b>Other standard length: [1000 mm<sup>[1][3]</sup>]</b>			

<sup>[1]</sup>: tolerance on the length -0/+3%

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard length for diameters over 60 mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ☑ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





# Techtron® HPV PPS

Polyphenylene Sulfide [PPS]

Techtron® HPV PPS

PLATES			
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Techtron® HPV PPS	
		Standard size per piece: [525 x 3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,17	■
6		15,54	□
8	+0,2 +0,9	20,55	■
10		25,29	▣
Other standard size: [525 x 1000 mm <sup>[1][3]</sup> ]			

PLATES			
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Techtron® HPV PPS	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
12	+0,3 +1,5	36,90	▣
16		48,00	■
20		59,25	▣
25		73,20	▣
30		89,40	■
35	+0,5 +2,5	103,35	□
40		117,30	■
45		131,25	□
50		145,35	■
55		161,10	□
60	+0,5 +3,5	175,05	□
65		189,00	□
70		203,10	□
80		233,70	□
90	+0,5 +5,0	261,75	□
100		289,65	□
Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerances in width +5/+25 mm, in length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm

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- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Techtron® HPV PPS



Polyphenylene Sulfide [PPS]

Techtron® HPV PPS

TUBES						
Diameters [mm] <sup>[1]</sup>	Tolerances on the diameters [mm]		Techtron® HPV PPS			
	O.D.	I.D.	Standard length per piece: [3000 mm] <sup>[2]</sup>			
O.D. x I.D.	O.D.	I.D.	[kg/pce] <sup>[3]</sup>			
50 x 30			6,24	□		
50 x 40	+0,5	+2,2	-0,5	-2,2	3,93	□
60 x 30			10,32	□		
60 x 40	+0,6	+2,8	-0,6	-2,8	8,04	□
60 x 50			5,07	□		
70 x 30			15,09	□		
70 x 40			12,84	□		
70 x 50			9,87	□		
70 x 60	+0,6	+3,4	-0,6	-3,4	6,24	□
80 x 40			18,12	□		
80 x 50			15,18	□		
80 x 60			11,52	□		
90 x 40			24,78	□		
90 x 50			21,90	□		
90 x 60			18,36	□		
90 x 70			14,13	□		
100 x 40	+1,0	+4,0	-1,4	-5,4	31,50	□
100 x 50			28,59	□		
100 x 60			25,05	□		
100 x 70			20,82	□		
100 x 80			15,93	□		
115 x 50			40,80	□		
115 x 60			37,35	□		
115 x 70			33,15	□		
115 x 80			28,29	□		
115 x 90			22,77	□		
115 x 100			16,53	□		
125 x 50			49,20	□		
125 x 60			45,75	□		
125 x 70	+1,3	+5,0	-1,8	-7,0	41,55	□
125 x 80			36,75	□		
125 x 90			31,20	□		
125 x 100			24,99	□		
140 x 50			63,15	□		
140 x 60			59,70	□		
140 x 70			55,50	□		
140 x 80			50,70	□		
140 x 90			45,15	□		
140 x 100			39,00	□		
160 x 80			72,75	□		
160 x 90			67,35	□		
160 x 100			61,05	□		
160 x 120			46,65	□		
180 x 80	+1,6	+6,0	-2,0	-8,0	96,60	□
180 x 90			91,20	□		
180 x 100			84,90	□		
180 x 120			70,50	□		
180 x 140			53,40	□		
200 x 100			112,50	□		
200 x 120	+1,8	+6,5	-2,3	-9,0	98,10	□
200 x 140			81,15	□		
200 x 160			61,20	□		
Other standard length: [1000 mm] <sup>[2]</sup>						

<sup>[1]</sup>: for non-listed intermediate diameters,  
please consult us

<sup>[2]</sup>: tolerance on the length: -0/+3%

<sup>[3]</sup>: average production weights

- : **standard** item [generally available from stock;  
bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available  
from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available  
from stock, manufactured to order and subject  
to special conditions; improved availability  
possible upon customer planning]

# Quadrant® 1000 PSU



Polysulphone [PSU]

Quadrant® 1000 PSU natural

ROUND RODS			
Diameters [mm]	Tolerances on the diameters [mm]	Quadrant® 1000 PSU natural	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
5		0,08	□
6	+0,1 +,04	0,12	□
8		0,21	□
10	+0,1 +0,5	0,32	□
12		0,48	□
15		0,73	□
16	+0,2 +0,9	0,89	□
18		1,04	□
20		1,27	■
22		1,56	□
25		2,00	□
28	+0,2 +1,2	2,48	□
30		2,84	□
32		3,21	□
36		4,08	□
40	+0,2 +1,6	5,01	■
45		6,39	□
50	+0,3 +2,0	7,86	□
60	+0,3 +2,5	11,31	□
70		15,27	□
80	+0,4 +3,0	20,01	□
90	+0,5 +3,4	25,35	□
100	+0,6 +3,8	31,35	□
110	+0,7 +4,2	37,95	□
120		45,15	□
125	+0,8 +4,6	48,90	□
130		53,25	□
140	+0,9 +5,4	61,50	□
150	+1,0 +5,8	70,65	□
Other standard length: [1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerance on the length -0/+3%

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard length for diameters over 60 mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Quadrant® 1000 PSU



Polysulphone [PSU]

Quadrant® 1000 PSU natural

PLATES			
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Quadrant® 1000 PSU natural	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
10	+0,2 +0,9	25,71	□
12		31,65	□
15		40,50	□
16	+0,3 +1,5	41,25	□
20		50,85	□
25		62,85	□
30		76,65	□
40	+0,5 +2,5	100,65	□
50		124,65	□
60	+0,5 +3,5	150,15	□
70		174,15	□
80		200,55	□
90	+0,5 +5,0	224,55	□
100		248,55	□
Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]			

<sup>[1]</sup>: tolerances on width +5/+25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Duratron® PEI



Polyetherimide[PEI]

Duratron® U1000 PEI natural

ROUND RODS					
Diameters <sup>[1]</sup>		Tolerances on the diameters [mm]	Standard lengths [mm] <sup>[2]</sup>	Duratron® U1000 PEI natural	
[mm]	[inch]			[kg/pce] <sup>[3]</sup>	
6,35	1/4	-0,0 +0,10	2440	0,10	□
9,53	3/8		2440	0,23	□
12,70	1/2		2440	<b>0,40</b>	■
15,88	5/8		2440	0,63	□
19,05	3/4		2440	0,91	□
25,40	1		2440	1,61	□
31,75	1 1/4	-0,0 +0,15	2440	2,52	□
38,10	1 1/2		2440	3,62	▣
50,80	2		2440	<b>6,42</b>	■
63,50	2 1/2	-0,0 +0,40	2440	10,10	□
76,20	3	-0,0 +6,50	1220	8,52	□
101,60	4		1220	14,57	□
127,00	5		1220	22,23	□
152,40	6		1220	31,50	□

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: all lengths shown are minimum values

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Products on this page are made with genuine resin by SABIC Innovative Plastics IP B.V.

## Duratron® PEI



Polyetherimide[PEI]

Duratron® U1000 PEI natural

PLATES				
Thicknesses		Tolerances on the thicknesses [mm]	Duratron® U1000 PEI natural	
[mm]	[inch]		Standard size per piece: [610 x 1220 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
6,35	1/4	-0,0 +0,65	6,92	□
9,53	3/8		10,06	□
12,70	1/2		<b>13,21</b>	■
19,05	3/4		19,50	□
25,40	1		25,79	□
38,10	1 1/2		38,37	□
44,45	1 3/4		42,30	□
50,80	2		50,95	□
Other standard size: [305 x 610 mm <sup>[1]</sup> ]				

<sup>[1]</sup>: tolerances on width and length:

605 [-0/+15] x 610 [-0/+15] mm

610 [-0/+15] x 1220 [+5/+25] mm

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

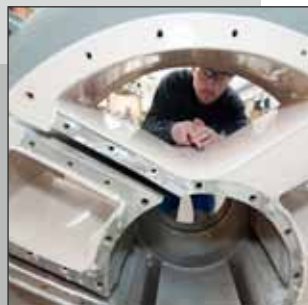
□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Products on this page are made with genuine resin by SABIC Innovative Plastics IP B.V.

# Symalit® Fluoroplastics

## for elevated temperature range up to 260 °C

Symalit®



Symalit®

### High Purity Grades

Symalit fluoropolymers are manufactured without plasticizers or other additives. For semi-conductor, photovoltaic and pharmaceutical applications, where extreme requirements exist for the purity of the materials, high-purity qualities are available on request, made from Symalit 1000 PVDF and Symalit 1000 PFA polymers. Even with the harshest agents used for wafer etching hardly any compound can be extracted. In addition, Symalit 1000 PVDF and Symalit 1000 ECTFE calandered sheets and plates with FM 4910-approval are part of the product portfolio, a «must have» for many applications in the semi-conductor industry.

All Symalit lining laminates and foils are calandered with highly-polished steel rolls, leading to an extremely low surface roughness and hence outstanding cleaning properties. This can be important when media change frequently, for example in transport applications.

### Symalit® 1000 PVDF [PVDF; colour natural]

Symalit 1000 PVDF is a highly crystalline unreinforced fluoropolymer combining good mechanical, thermal and electrical properties with excellent chemical resistance. It also shows good resistance to high-energy radiation [considerably better than other fluoropolymers]. In addition, the composition of the raw material used for the production of Symalit 1000 PVDF stock shapes complies with the regulations of the European Union [Directive 2002 / 72 / EC, as amended] and the United States of America [FDA] for plastic materials and articles intended to come into contact with foodstuffs.

### Symalit® 1020 PVDF [PVDF; colour orange]

This quality is exclusively used for PVDF welding rod. The orange colour provides more visible contrast and facilitates welding. The material is not recommended for high purity applications.

### Symalit® ESd PVDF [PVDF; colour black]

Symalit ESd PVDF is a grade with a surface resistivity of  $< 10^6$  Ohm. Thus it is appropriate for the construction of equipment that has to be in accordance with the ATEX directive 94/9/EC. Application fields are lining of reactors, tanks and pipes for inflammable or explosive media and goods.

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## for elevated temperature range up to 260 °C

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# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Symalit® 1000 PVDF natural	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
10	+0,1 +0,5	0,45	■
16	+0,2 +0,7	1,15	■
20		1,79	■
25		2,78	☑
30	+0,2 +0,9	3,98	■
36	+0,2 +1,1	5,73	☑
40		7,04	■
45		8,93	☑
50	+0,3 +1,3	10,98	■
60	+0,3 +1,6	15,81	■
70		21,42	☑
80		28,07	■
90	+0,5 +2,2	35,55	☑
100	+0,6 +2,5	43,95	■
120	+0,8 +3,5	63,51	☑
140	+0,9 +3,8	86,27	■
150	+1,0 +4,2	99,15	☑
180	+1,2 +5,0	142,65	☑
200	+1,3 +5,5	176,10	■
250	+1,5 +6,2	274,35	O.R.
<b>Other standard length: [1000 mm]</b>			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

☑ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

HP [High Purity] on request

# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Symalit® 1000 PVDF natural	
		Standard size per piece: [610 x 3000 mm] [kg/pce <sup>[2]</sup> ]	
8	+0,2 +0,9	28,83	□
10		<b>35,55</b>	■
12		43,80	▣
16	+0,3 +1,5	57,30	▣
20		<b>71,10</b>	■
25		87,90	▣
30	+0,5 +2,5	108,75	▣
40		<b>142,50</b>	■
50		176,10	▣
60	+0,5 +3,5	212,40	▣
70		246,15	□
80		<b>283,65</b>	■
90	+0,5 +5,0	317,40	□
100		351,00	□
Other standard size: [610 x 1000 mm]			

PLATES					
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Symalit® 1000 PVDF natural			
		Standard sizes per piece: [1500 x 3000 mm] [kg/pce <sup>[2]</sup> ]		Standard sizes per piece: [1250 x 2000 mm] [kg/pce <sup>[2]</sup> ]	
0,8	-0,08 +0,08	6,86	□	3,81	□
1		8,46	□	4,70	□
1,5		12,47	□	6,93	□
2	-0,10 +0,10	16,47	□	9,15	□
3		<b>24,48</b>	■	13,60	□
4	-0,15 +0,15	<b>32,49</b>	■	18,05	□
5	-0,25 +0,25	<b>40,50</b>	■	22,50	□
6	-0,30 +0,30	<b>48,51</b>	■	26,95	□
8	-0,35 +0,35	<b>64,53</b>	■	35,85	□
10	-0,40 +0,40	<b>80,55</b>	■	44,75	□
12	-0,45 +0,45	96,57	▣	53,65	□
15	+0,30 +1,50	<b>127,81</b>	■	71,01	O.R.
20		<b>167,86</b>	■	93,26	O.R.
25		207,91	O.R.	115,51	O.R.

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

HP [High Purity] on request



# Symalit® 1000 PVDF

Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Symalit® 1000 PVDF natural	
		Standard sizes per piece: [1000 x 2000 mm] [kg/pce <sup>[2]</sup> ]	
1	-0,10 +0,10	3,76	■
1,2		4,47	□
1,5		5,54	□
2		7,32	■
2,5		9,10	□
3	-0,15 +0,15	10,88	■
4		14,44	■
5		18,00	■
6		21,56	■
8		28,68	■
10	-0,30 +0,30	35,80	■
12	-0,35 +0,35	42,92	■
15	-0,40 +0,40	56,80	■
16	-0,45 +0,45	60,36	□
20	+0,30 +1,50	74,60	■
25		92,40	□

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

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HP [High Purity] on request

# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural [FM4910 APPROVED]

PLATES		
Thicknesses	Symalit® 1000 PVDF natural	
	Standard sizes per piece: [1220 x 2440 mm] <sup>[1]</sup>	
[mm]	[kg/pce] <sup>[2]</sup>	
3,18	17,16	O.R.
4,76	25,55	O.R.
6,35	37,29	O.R.
9,53	54,19	O.R.
12,70	70,93	O.R.
15,88	87,79	O.R.
19,05	104,58	O.R.
25,40	138,23	O.R.

<sup>[1]</sup>: tolerances according to ASTM D6713-01

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

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O.R.: available on request: please check for lead-time and minimum quantity

HP [High Purity] on request

# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF

Lining laminates GK [synthetic backing]					SHEETS	
Thicknesses [mm]	Symalit® 1000 PVDF					
	Standard sizes per piece:					
	[1500 x 3000 mm] [kg/pce <sup>[2]</sup> ]		[1250 x 2000 mm] [kg/pce <sup>[2]</sup> ]			
1,5	15,51	O.R.	8,62	O.R.		
2	21,28	–	10,62	O.R.		
3	<b>26,32</b>	■	14,62	□		
4	<b>33,53</b>	■	18,63	□		
5	40,74	□	22,63	□		
6	47,95	□	26,64	O.R.		

Lining laminates GK [synthetic backing]								ROLLS		
Thicknesses <sup>[1]</sup> [mm]	Symalit® 1000 PVDF									
	Standard sizes per piece:									
	[1250 x 10,000 mm] [kg/pce <sup>[2]</sup> ]		[1250 x 15,000 mm] [kg/pce <sup>[2]</sup> ]		[1500 x 10,000 mm] [kg/pce <sup>[2]</sup> ]		[1500 x 15,000 mm] [kg/pce <sup>[2]</sup> ]			
0,5	23,05	■	34,58	O.R.	–	–	–	–		
1,5	43,08	O.R.	64,62	O.R.	–	–	77,54	O.R.		
2	53,09	O.R.	79,64	O.R.	–	–	106,38	O.R.		
3	–	–	109,68	□	<b>87,74</b>	■	<b>131,61</b>	■		
4	93,14	□	–	–	111,77	■	167,66	O.R.		

Lining laminates GGS [glass backing]					SHEETS	
Thicknesses <sup>[1]</sup> [mm]	Symalit® 1000 PVDF					
	Standard sizes per piece:					
	[1500 x 3000 mm] [kg/pce <sup>[2]</sup> ]		[1250 x 2000 mm] [kg/pce <sup>[2]</sup> ]			
2,3	22,51	O.R.	–	–		
3	27,56	□	<b>15,31</b>	■		
4	34,77	□	<b>19,31</b>	■		
5	41,97	■	23,32	□		
6	49,18	■	27,32	□		

Lining laminates GGS [glass backing]							ROLLS	
Thicknesses <sup>[1]</sup> [mm]	Symalit® 1000 PVDF							
	Standard sizes per piece:							
	[1250 x 10,000 mm] [kg/pce <sup>[2]</sup> ]		[1250 x 15,000 mm] [kg/pce <sup>[2]</sup> ]		[1500 x 10,000 mm] [kg/pce <sup>[2]</sup> ]			
0,5	–	–	–	–	–	–		
1,5	–	–	69,76	O.R.	–	–		
2	–	–	84,78	□	–	–		
3	–	–	114,82	□	<b>91,85</b>	■		
4	96,57	□	–	–	115,88	■		

<sup>[1]</sup>: given thickness is the «fibre free thickness» according to ASME RTP-1<sup>[2]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

HP [High Purity] on request

# Symalit® 1000 PVDF / Symalit® 1020 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural / Symalit® 1020 PVDF orange

Welding rods						RODS
Thicknesses [mm]	Symalit® 1000 PVDF natural					
	Standard length per piece:					
	[80 pcs. x 1000 mm] [kg/pce <sup>[1]</sup> ]		[58 pcs. x 1000 mm] [kg/pce <sup>[1]</sup> ]		[45 pcs. x 1000 mm] [kg/pce <sup>[1]</sup> ]	
3	1,00	■	–	–	–	–
3,5	–	–	1,00	▣	–	–
4	–	–	–	–	1,00	■

Welding rods						ROLLS
Thicknesses [mm]	Symalit® 1000 PVDF natural / Symalit® 1020 PVDF orange					
	Standard sizes per piece:					
	[80,000 mm] [kg/pce <sup>[1]</sup> ]		[58,000 mm] [kg/pce <sup>[1]</sup> ]		[45,000 mm] [kg/pce <sup>[1]</sup> ]	
3	1,00	■	–	–	–	–
3,5	–	–	1,00	□	–	–
4	–	–	–	–	1,00	■

CAP STRIPS					
Thicknesses [mm]	Symalit® 1000 PVDF natural				
	Standard sizes per piece:				
	[5 x 10,000 mm] GK [kg/pce <sup>[1]</sup> ]		[10 x 10,000 mm] GS [kg/pce <sup>[1]</sup> ]		
0,5	0,10	■	0,10	□	

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural

TUBES		
O.D. x inner diameter	Symalit® 1000 PVDF natural	
	Standard length per piece: [1000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
25 x 10	0,75	■
25 x 13	0,64	■
30 x 15	0,98	■
36 x 23	1,16	■
45 x 30	1,71	■

PIPES				
O.D. x wall thickness	Symalit® 1000 PVDF natural			
	Standard length per piece: [6000 mm]		Standard length per piece: [5000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]		[kg/pce <sup>[1]</sup> ]	
20 x 1,9	1,24	O.R.	–	–
25 x 1,9	<b>1,58</b>	■	–	–
32 x 2,4	<b>2,53</b>	■	–	–
40 x 2,4	3,21	□	–	–
50 x 3,0	<b>4,96</b>	■	–	–
63 x 3,0	<b>6,34</b>	■	–	–
75 x 3,0	7,84	□	–	–
90 x 3,0	<b>9,47</b>	■	–	–
110 x 3,0	<b>11,66</b>	■	–	–
125 x 3,0	13,30	□	–	–
140 x 3,0	14,94	O.R.	–	–
160 x 3,0	<b>17,12</b>	■	–	–
200 x 3,0	<b>21,49</b>	■	–	–
250 x 3,0	26,96	□	–	–
315 x 4,0	–	–	37,91	O.R.
355 x 4,0	–	–	42,78	O.R.

<sup>[1]</sup>: average production weights

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O.R.: available on request, please check for lead-time and minimum order quantity

HP [High Purity] on request

# Symalit® 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 PVDF natural

HV-LINER PIPES				
O.D. x wall thickness [mm]	Symalit® 1000 PVDF natural			
	Standard length per piece: [6000 mm] [kg/pce <sup>[1]</sup> ]		Standard length per piece: [5000 mm] [kg/pce <sup>[1]</sup> ]	
20 x 1,9	1,33	O.R.	–	–
25 x 1,9	1,69	■	–	–
32 x 2,4	2,68	■	–	–
40 x 2,4	3,39	□	–	–
50 x 3,0	5,19	■	–	–
63 x 3,0	6,63	■	–	–
75 x 3,0	8,18	□	–	–
90 x 3,0	9,88	■	–	–
110 x 3,0	12,16	■	–	–
125 x 3,0	13,87	□	–	–
140 x 3,0	15,58	O.R.	–	–
160 x 3,0	17,85	■	–	–
200 x 3,0	22,40	■	–	–
250 x 3,0	28,10	□	–	–
315 x 4,0	–	–	38,23	O.R.
355 x 4,0	–	–	44,41	O.R.

<sup>[1]</sup>: average production weights

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■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity



# Symalit® ESd PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® ESd PVDF black

ROUND RODS				
Diameters <sup>[1]</sup>	Symalit® ESd PVDF black			
	Standard length per piece: [3000 mm]		Standard length per piece: [1000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
20	1,80	□	0,60	□
25	2,78	□	0,95	□
30	3,97	□	1,32	□
36	5,73	□	1,91	□
40	7,04	□	2,35	□
45	8,94	□	2,98	□
50	10,99	□	3,66	□
60	15,81	□	5,27	□
70	-	-	7,14	□
80	-	-	9,36	□
90	-	-	11,84	□
100	-	-	14,64	□
120	-	-	21,17	□
150	-	-	33,05	□
180	-	-	47,55	□
200	-	-	58,71	□

<sup>[1]</sup>: tolerances according to DIN 16980

<sup>[2]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Symalit® ESd PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® ESd PVDF black

SHEETS		
Thicknesses <sup>[1]</sup>	Symalit® ESd PVDF black	
[mm]	Standard sizes per piece: [1250 x 2000 mm]	
	[kg/pce <sup>[2]</sup> ]	
3	13,75	<input type="checkbox"/>
4	18,45	<input type="checkbox"/>
6	27,18	<input type="checkbox"/>
8	36,43	<input type="checkbox"/>
10	44,75	<input type="checkbox"/>

Lining laminates GK [synthetic backing] SHEETS		
Thicknesses <sup>[1] [3]</sup>	Symalit® ESd PVDF black	
[mm]	Standard sizes per piece: [1250 x 2000 mm]	
3	14,62	O.R.
4	18,63	O.R.

Lining laminates GGS [glass backing] SHEETS		
Thicknesses <sup>[1] [3]</sup>	Symalit® ESd PVDF black	
[mm]	Standard sizes per piece: [1250 x 2000 mm]	
	[kg/pce <sup>[2]</sup> ]	
3	15,31	<input type="checkbox"/>
4	19,31	<input type="checkbox"/>

<sup>[1]</sup>: tolerances according to DIN 16980

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® ESd PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® ESd PVDF black

PIPES		
O.D. x wall thickness	Symalit® ESd PVDF black	
	Standard length per piece:	
[mm]	[6000 mm]	[kg/pce <sup>[1]</sup> ]
32 x 2,4	2,53	□
40 x 2,4	3,21	□
50 x 3,0	4,96	□
63 x 3,0	6,34	□
75 x 3,0	7,59	□
90 x 3,0	9,47	□
110 x 3,0	11,66	□
160 x 3,0	17,12	□
200 x 3,0	21,49	□
250 x 3,0	26,96	□

HV-LINER PIPES		
O.D. x wall thickness	Symalit® ESd PVDF black	
	Standard length per piece:	
[mm]	[6000 mm]	[kg/pce <sup>[1]</sup> ]
32 x 2,4	2,68	□
40 x 2,4	3,39	□
50 x 3,0	5,19	□
63 x 3,0	6,63	□
75 x 3,0	7,74	□
90 x 3,0	9,88	□
110 x 3,0	12,16	□
160 x 3,0	17,85	□
200 x 3,0	22,40	□
250 x 3,0	28,10	□

Welding rods		ROLLS			
Thicknesses	Symalit® ESd PVDF black				
	Standard sizes per piece:				
[mm]	[80,000 mm]	[58,000 mm]	[45,000 mm]	[kg/pce <sup>[1]</sup> ]	[kg/pce <sup>[1]</sup> ]
3	1,00	□	–	–	–
3,5	–	–	1,00	■	–
4	–	–	–	–	1,00

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Symalit® Flex 1000 PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® Flex 1000 PVDF natural

PLATES		
Thicknesses <sup>[1]</sup>	Symalit® Flex 1000 PVDF natural	
[mm]	Standard sizes per piece: [1000 x 2000 mm <sup>[1]</sup> ]	
	[kg/pce <sup>[2]</sup> ]	
5	18,00	O.R.
6	21,56	O.R.
8	28,68	O.R.
10	35,80	O.R.
12	42,92	O.R.
15	56,80	O.R.
20	74,60	O.R.

SHEETS				
Thicknesses <sup>[1]</sup>	Symalit® Flex 1000 PVDF natural			
[mm]	Standard sizes per piece: [1500 x 3000 mm]		Standard sizes per piece: [1250 x 2000 mm]	
	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
1,5	12,47	□	6,93	□
2,3	21,28	□	10,49	□
3	–	□	13,60	□
4	34,77	□	18,05	□

<sup>[1]</sup>: tolerances according to ISO/DIN 15014 and DIN 16986

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

HP [High Purity] on request

# Symalit® 1000 FLEX PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 FLEX PVDF

Lining laminates GK [synthetic backing]				SHEETS	
Thicknesses <sup>[1][3]</sup>	Symalit® 1000 FLEX PVDF				
	Standard sizes per piece:				
	[mm]	[1500 x 3000 mm]		[1250 x 2000 mm]	
	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		
0,5	8,30	O.R.	4,61	O.R.	
1,5	15,51	O.R.	8,62	O.R.	
2,3	<b>21,28</b>	■	11,82	O.R.	
3	26,32	O.R.	14,62	O.R.	
4	33,53	□	18,63	O.R.	
5	40,74	□	22,63	□	
6	47,95	□	26,64	□	

Lining laminates GGS [glass backing]				SHEETS	
Thicknesses <sup>[1][3]</sup>	Symalit® 1000 FLEX PVDF				
	Standard sizes per piece:				
	[mm]	[1500 x 3000 mm]		[1250 x 2000 mm]	
	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		
0,5	9,53	O.R.	5,30	□	
1,5	16,74	O.R.	9,30	□	
2,3	22,51	□	12,51	□	
3	–	□	15,31	□	
4	34,77	O.R.	19,31	□	
5	41,97	□	23,32	□	
6	49,18	O.R.	27,32	□	

<sup>[1]</sup>: tolerances according to ISO/DIN 15014 and DIN 16986

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

HP [High Purity] on request

# Symalit® 1000 FLEX PVDF



Polyvinylidene Fluoride [PVDF]

Symalit® 1000 FLEX PVDF natural

Lining laminates GK [synthetic backing]			ROLLS	
Thicknesses <sup>[1]</sup> [mm]	Symalit® 1000 FLEX PVDF			
	Standard sizes per piece:			
	[1250 x 15,000 mm] [kg/pce <sup>[2]</sup> ]	O.R.	[1500 x 10,000 mm] [kg/pce <sup>[2]</sup> ]	
0,5	34,58	O.R.	–	–
1,5	64,62	O.R.	–	–
2,3	88,65	O.R.	<b>70,92</b>	■
3	109,68	O.R.	87,74	□

Welding rods				ROLLS	
Thicknesses [mm]	Symalit® 1000 FLEX PVDF natural				
	Standard sizes per piece:				
	[80,000 mm] [kg/pce <sup>[2]</sup> ]		[58,000 mm] [kg/pce <sup>[2]</sup> ]		[45,000 mm] [kg/pce <sup>[2]</sup> ]
3	<b>1,00</b>	■	–	–	–
3,5	–	–	<b>1,00</b>	▣	–
4	–	–	–	–	<b>1,00</b>

<sup>[1]</sup>: tolerances according to ISO/DIN 15014 and DIN 16986

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

HP [High Purity] on request

# Symalit® 1000 ECTFE



Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE natural

ROUND RODS		
Diameters <sup>[1]</sup>	Symalit® 1000 ECTFE natural	
	Standard length per piece: [3000 mm <sup>[2]</sup> ]	
[mm]	[kg/pce <sup>[3]</sup> ]	
15	0,97	□
20	1,65	■
25	2,64	■
30	3,78	■
36	5,43	□
40	6,68	■
45	8,48	■
50	10,43	■
60	15,02	■
70	20,35	O.R.
80	26,65	O.R.
90	33,72	O.R.
100	41,69	O.R.
120	60,30	O.R.
140	81,90	□
165	114,21	□
180	135,50	□
200	167,21	□
Other standard length: [1000 mm]		

<sup>[1]</sup>: tolerances according to DIN 16980

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 ECTFE



Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE natural

PLATES					
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Symalit® 1000 ECTFE natural			
		Standard size per piece: [1500 x 3000 mm] [kg/pce <sup>[2]</sup> ]		Standard size per piece: [1250 x 2000 mm] [kg/pce <sup>[2]</sup> ]	
1,5		11,86	□	6,59	□
2,3	-0,10 +0,10	17,94	■	9,97	■
3		23,27	■	12,93	□
4	-0,15 +0,15	30,87	■	17,15	□
5	-0,25 +0,25	38,48	□	21,38	□
6	-0,30 +0,30	46,08	■	25,60	■
8	-0,35 +0,35	61,29	■	34,05	■
10		76,50	■	42,50	■
12	-0,40 +0,40	91,71	■	50,95	■
15		121,37	■	67,43	□
20	-0,30 +1,50	159,40	■	88,55	□
25		199,25	O.R.	-	-

PLATES				
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Symalit® 1000 ECTFE natural		
		Standard size per piece: [1000 x 2000 mm] [kg/pce <sup>[2]</sup> ]		
1,5		5,07	□	
2		6,96	□	
2,3	-0,10 +0,10	7,97	□	
3		10,34	□	
4	-0,15 +0,15	13,72	□	
5	-0,25 +0,25	17,10	□	
6	-0,30 +0,30	20,48	□	
8		27,24	□	
10	-0,35 +0,35	34,00	□	
12	-0,45 +0,45	40,76	□	
15		53,94	□	
20	-0,30 +1,50	70,84	□	

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity





# Symalit® 1000 ECTFE

Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE natural [FM4910 APPROVED]

PLATES		
Thicknesses <sup>[1]</sup>	Symalit® 1000 ECTFE natural	
	Standard sizes per piece: [1220 x 2440 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]	
3,18	16,30	□
4,76	27,42	□
6,35	35,42	O.R.
9,53	51,41	O.R.
12,70	67,36	O.R.
15,88	83,36	O.R.
19,05	99,31	O.R.
25,40	131,25	O.R.

ROLLS				
Thicknesses <sup>[1]</sup>	Symalit® 1000 ECTFE natural			
	Standard sizes per piece:			
	[1250 x 15,000 mm]		[1500 x 10,000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
1,5	49,41	O.R.	–	–
2,3	74,76	□	49,84	O.R.

<sup>[1]</sup>: tolerances according to ASTM D6713-01

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 ECTFE



Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE

Lining laminates GK [synthetic backing]				SHEETS	
Thicknesses	Symalit® 1000 ECTFE				
	Standard sizes per piece:				
	[1500 x 3000 mm]		[1250 x 2000 mm]		
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		
0,5	7,98	O.R.	4,44	O.R.	
1,5	14,83	O.R.	8,24	O.R.	
2,3	<b>20,30</b>	■	11,28	□	
3	<b>25,09</b>	■	13,94	□	
4	31,94	□	17,74	□	

Lining laminates GK [synthetic backing]				ROLLS		
Thicknesses <sup>[1]</sup>	Symalit® 1000 ECTFE					
	Standard sizes per piece:					
	[1250 x 10,000 mm]		[1250 x 15,000 mm]		[1500 x 10,000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
1,5	–	–	61,78	O.R.	–	–
2,3	56,40	O.R.	84,59	□	<b>67,68</b>	■
3	69,70	O.R.	104,56	□	83,65	□
4	–	–	–	–	106,46	□

Lining laminates GGS [glass backing]				SHEETS	
Thicknesses <sup>[1]</sup>	Symalit® 1000 ECTFE				
	Standard sizes per piece:				
	[1500 x 3000 mm]		[1250 x 2000 mm]		
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		
0,5	9,20	□	5,11	□	
1,5	–	□	8,91	O.R.	
2,3	<b>21,52</b>	■	11,96	□	
3	26,31	■	14,62	□	
4	33,16	□	18,42	□	

Lining laminates GGS [glass backing]				ROLLS		
Thicknesses <sup>[1]</sup>	Symalit® 1000 ECTFE					
	Standard sizes per piece:					
	[1250 x 10,000 mm]		[1250 x 15,000 mm]		[1500 x 10,000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
1,5	–	–	66,85	O.R.	–	–
2,3	59,78	□	107,60	□	<b>71,73</b>	■
3	73,08	O.R.	109,63	□	87,70	■
4	92,10	□	–	–	110,52	□

<sup>[1]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 ECTFE



Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE natural

PIPES		
O.D. x wall thickness	Symalit® 1000 ECTFE natural	
	Standard length per piece: [5000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
20 x 1,9	0,98	□
25 x 1,9	<b>1,26</b>	■
32 x 2,4	<b>2,00</b>	■
40 x 2,4	2,54	□
50 x 3,0	<b>3,93</b>	■
63 x 3,0	<b>5,02</b>	■
75 x 3,0	6,21	□
90 x 3,0	<b>7,50</b>	■
110 x 3,0	<b>9,23</b>	■
160 x 3,0	<b>13,55</b>	■

PIPES		
GK [synthetic backing]	Symalit® 1000 ECTFE	
	Standard length per piece: [5000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
20 x 1,9	1,53	□
25 x 1,9	<b>1,95</b>	■
32 x 2,4	<b>2,85</b>	■
40 x 2,4	3,65	□
50 x 3,0	<b>5,25</b>	■
63 x 3,0	<b>6,73</b>	■
75 x 3,0	7,73	□
90 x 3,0	<b>9,50</b>	■
110 x 3,0	<b>11,98</b>	■
160 x 3,0	<b>17,78</b>	■

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Symalit® 1000 ECTFE



Ethylene-Chlorotrifluoroethylene [ECTFE]

Symalit® 1000 ECTFE natural

Welding rods							ROLLS	
Thicknesses [mm]	Symalit® 1000 ECTFE natural							
	Standard sizes per piece:							
	[83,000 mm] [kg/pce <sup>[1]</sup> ]		[62,000 mm] [kg/pce <sup>[1]</sup> ]		[47,000 mm] [kg/pce <sup>[1]</sup> ]		[42,000 mm] [kg/pce <sup>[1]</sup> ]	
3	1,00	■	–	–	–	–	–	–
3,5	–	–	1,00	■	–	–	–	–
4	–	–	–	–	1,00	■	1,00	■
4,5	–	–	–	–	–	–	1,00	O.R.

CAP STRIPS				
Thicknesses [mm]	Symalit® 1000 ECTFE natural			
	Standard sizes per piece:			
	[5 x 10,000 mm] GK [kg/pce <sup>[1]</sup> ]		[10 x 10,000 mm] GS [kg/pce <sup>[1]</sup> ]	
0,5	0,09	■	0,20	■

<sup>[1]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity]

# Symalit® 1000 ETFE



Ethylene Tetrafluoroethylene [ETFE]

Symalit® 1000 ETFE natural

SHEETS		
Thicknesses	Symalit® 1000 ETFE natural	
	Standard sizes per piece: [1250 x 10,000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
2,3	50,13	O.R.

Lining laminates GGS [glass backing] SHEETS		
Thicknesses	Symalit® 1000 ETFE natural	
	Standard sizes per piece: [1250 x 10,000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
2,3	60,08	O.R.

Welding rods ROLLS		
Thicknesses	Symalit® 1000 ETFE natural	
	Standard sizes per piece: [63,000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
3,5	1,00	O.R.

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 FEP



Fluoro Ethylene Propylene [FEP]

Symalit® 1000 FEP

Lining laminates GGS [glass backing]				SHEETS	
Thicknesses <sup>[1]</sup>	Symalit® 1000 FEP				
	Standard sizes per piece:				
[mm]	[1250 x 15,000 mm] [kg/pce <sup>[2]</sup> ]		[1250 x 10,000 mm] [kg/pce <sup>[2]</sup> ]		
0,5	45,45	□	30,30	■	
0,8	56,33	O.R.	37,55		O.R.
1,5	<b>81,73</b>	■	54,48		□
2,3	110,75	□	<b>73,83</b>	■	
2,8	128,89	□	85,93		□
3,8	165,17	□	110,12		□

<sup>[1]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 FEP



Fluoro Ethylene Propylene [FEP]

Symalit® 1000 FEP natural

PIPES		
O.D. x wall thickness	Symalit® 1000 FEP natural	
	Standard length per piece: 5000 mm	
[mm]	[kg/pce <sup>(1)</sup> ]	
32 x 2,3	2,55	■
50 x 2,3	4,11	■
63 x 2,3	5,23	■
75 x 2,3	6,27	O.R.
90 x 2,3	7,57	■
110 x 2,3	9,30	■
160 x 2,3	13,60	O.R.

GGG [glass backing] PIPES		
O.D. x wall thickness	Symalit® 1000 FEP natural	
	Standard length per piece: 5000 mm	
[mm]	[kg/pce <sup>(1)</sup> ]	
32 x 2,3	3,06	☑
50 x 2,3	4,91	☑
63 x 2,3	6,23	☑
75 x 2,3	7,53	O.R.
90 x 2,3	9,00	☑
110 x 2,3	11,05	☑
160 x 2,3	16,15	O.R.

Welding rods			ROLLS	
Thicknesses	Symalit® 1000 FEP natural			
	Standard sizes per piece: [48,000 mm]		Standard sizes per piece: [37,000 mm]	
[mm]	[kg/pce <sup>(1)</sup> ]		[kg/pce <sup>(1)</sup> ]	
3,5	1,00	■	–	–
4	–	–	1,00	☑

<sup>(1)</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

☑ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity

# Symalit® 1000 PFA



Perfluorinated Vinyl Ether [PFA]

Symalit® 1000 PFA natural

ROLLS				
Thicknesses	Symalit® 1000 PFA natural			
	Standard sizes per piece:			
	[1250 x 20,000 mm]		[1250 x 10,000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
0,5	29,38	□	–	–
1,5	<b>83,13</b>	■	41,56	■
2	–	–	55,00	□
2,3	–	–	<b>63,06</b>	■
2,8	–	–	76,50	□
3	–	–	81,88	□
3,8	–	–	103,38	□

SHEETS						
Thicknesses <sup>[1]</sup>	Symalit® 1000 PFA natural					
	Standard sizes per piece:					
	[1250 x 2000 mm]		[920 x 2000 mm]		[900 x 2000 mm]	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
1,5	8,31	□	–	–	–	–
2,3	12,61	□	–	–	–	–
2,8	15,30	□	–	–	–	–
3,8	20,68	□	–	–	–	–
4	21,75	■	–	–	–	–
6	32,50	■	–	–	–	–
10	–	–	39,74	■	–	–
12	–	–	47,66	■	–	–
15	–	–	–	–	61,71	■
20	–	–	–	–	81,06	■

Lining laminates GGS [glass backing]					ROLLS	
Thicknesses <sup>[1]</sup>	Symalit® 1000 PFA					
	Standard sizes per piece:					
	[1250 x 15,000 mm]		[1250 x 10,000 mm]			
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]			
0,5	45,45	□	–	–		
0,8	56,33	O.R.	37,55	O.R.		
1,5	81,73	O.R.	54,49	□		
2,3	–	–	<b>73,83</b>	■		
2,8	–	–	85,93	□		
3,8	–	–	110,11	□		

<sup>[1]</sup>: given thickness is the «fibre free thickness» acc. to ASME RTP-1

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request, please check for lead-time and minimum order quantity



# Symalit® 1000 PFA



Perfluorinated Vinyl Ether [PFA]

Symalit® 1000 PFA natural

PIPES		
O.D. x wall thickness	Symalit® 1000 PFA natural	
	Standard length per piece: [5000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
32 x 2,3	2,55	■
50 x 2,3	4,10	■
63 x 2,3	5,22	■
75 x 2,3	6,27	O.R.
90 x 2,3	7,55	■
110 x 2,3	9,27	■
32 x 3,0	3,17	□
50 x 3,0	4,99	□
63 x 3,0	6,38	□
75 x 3,0	7,92	O.R.
90 x 3,0	9,54	□
110 x 3,0	11,74	□

GGS [glass backing] PIPES		
O.D. x wall thickness	Symalit® 1000 PFA	
	Standard length per piece: [5000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
32 x 2,3	3,06	■
50 x 2,3	4,91	■
63 x 2,3	6,24	■
75 x 2,3	7,53	O.R.
90 x 2,3	9,01	■
110 x 2,3	11,05	■
32 x 3,0	3,68	□
50 x 3,0	5,95	□
63 x 3,0	7,59	□
75 x 3,0	9,18	O.R.
90 x 3,0	11,01	□
110 x 3,0	13,52	□

Welding rods ROLLS		
Thicknesses	Symalit® 1000 PFA natural	
	Standard length per piece: [48,000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
3,5	1,00	■

Welding rods ROLLS		
Thicknesses	Symalit® 1000 PFA natural	
	Standard length per piece: [37,000 mm]	
[mm]	[kg/pce <sup>[1]</sup> ]	
4,0	1,00	■

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# Stock Shapes for Life Science

## – Quadrant Life Science Grades (LSG)



Quadrant Life Science Grades (LSG) are designed specifically for the medical, pharmaceutical and biotechnology markets. They help OEMs to save time and costs associated with biocompatibility testing and regulatory approvals. Key benefits of the Life Science Grades are:

### **Performance**

Using the cutting edge material portfolio from Quadrant will replace existing solutions made of stainless steel, Titanium and glass or ceramics due to a combination of properties like weight reduction, resistance to commonly used sterilisation methods, X-ray transparency, design flexibility, antistatic performance and resistance to high energetic radiation.

### **Biocompatibility**

The LSG portfolio includes plastics which comply with FDA, ISO 10993 and USP guidelines for biocompatibility testing of materials.

### **Full traceability**

Quadrant provides OEMs with assurance of full traceability for its comprehensive LSG product portfolio.

### **Quality assurance**

In line with its ISO 9001:2000 certified Quality Assurance System, Quadrant EPP thoroughly monitors and controls the entire manufacturing process of its Life Science Grades.

## Ketron® LSG PEEK



Polyetheretherketone [PEEK]

Ketron® LSG PEEK natural/black

Ketron® CLASSIX™ LSG PEEK white

ROUND RODS							
Diameters	Tolerances on the diameters	Ketron® LSG PEEK natural		Ketron® LSG PEEK black		Ketron® CLASSIX™ LSG PEEK white	
[mm]	[mm]	Standard size per piece: [3000 mm <sup>[1]</sup> ]					
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
5	+0,1 +0,2	0,08	□	0,08	□	0,09	□ <sup>[4]</sup>
6		0,12	□	0,12	□	<b>0,13</b>	■ <sup>[4]</sup>
7		0,16	□	0,16	□	0,17	□ <sup>[4]</sup>
8		0,20	□	0,20	□	<b>0,22</b>	■ <sup>[4]</sup>
9		0,26	□	0,26	□	0,28	□ <sup>[4]</sup>
10		0,32	□	<b>0,32</b>	■	<b>0,34</b>	■ <sup>[4]</sup>
11		0,39	□	0,39	□	0,42	□
12		0,47	■	0,47	■	0,50	□
14		0,63	□	0,63	□	0,68	□
15		0,72	□	0,72	□	0,77	□
16	+0,3 +0,4	0,82	■	0,82	■	0,88	□
18		1,04	□	1,04	□	1,11	□
20		<b>1,27</b>	■	<b>1,27</b>	■	1,37	□
22		1,55	□	1,55	□	1,65	□
25		<b>1,98</b>	■	<b>1,98</b>	■	2,13	□
28		2,48	□	2,48	□	2,67	□
30	+0,3 +0,5	2,85	□	2,85	□	3,06	□
32		3,24	■	3,24	□	3,48	□
35		3,87	□	3,87	□	4,14	□
36		4,08	□	4,08	□	4,38	□
40		<b>5,04</b>	■	<b>5,04</b>	■	5,40	□
45		6,39	□	6,39	□	6,87	□
50	<b>7,89</b>	■	<b>7,89</b>	■	8,46	□	
56	+0,4 +0,6	9,90	□	9,90	□	10,62	□
60		11,34	□	11,34	□	12,18	□
65		13,32	□	13,32	□	14,28	□
70		15,42	■	15,42	□	16,56	□
75		18,36	□	18,36	□	19,71	□
80		20,82	□	20,82	□	22,35	□
90	+0,5 +3,4	26,40	□	26,40	□	28,32	□
100	+0,6 +3,8	32,55	□	32,55	□	34,95	□
110	+0,7 +4,2	39,00	□	–	–	–	–
120	+0,8 +5,6	46,35	□	–	–	–	–
130	+0,9 +5,4	54,60	□	–	–	–	–
140		63,15	□	–	–	–	–
150		72,45	□	–	–	–	–
160		82,35	□	–	–	–	–
170		92,70	□	–	–	–	–
180		+1,0 +5,8	103,80	□	–	–	–
190	115,50	□	–	–	–	–	
200	127,80	□	–	–	–	–	

Other standard length: [1000 mm<sup>[1][3]</sup>]<sup>[1]</sup>: tolerance on the lengths -0/+3 %<sup>[2]</sup>: average production weights<sup>[3]</sup>: non-standard length for diameters over 60 mm [manufactured to order and subject to special conditions]<sup>[4]</sup>: tolerance on the diameters: h9 (-0,036/+0 mm)■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® LSG PEEK



Polyetheretherketone [PEEK]

Ketron® LSG GF30 PEEK

Ketron® LSG CA30 PEEK

ROUND RODS					
Diameters [mm]	Tolerances on the diameters [mm]	Ketron® LSG GF30 PEEK		Ketron® LSG CA30 PEEK	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]			
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
6	+0,1 +0,4	0,14	□	0,14	□
7		0,20	□	0,18	□
8		0,25	□	0,24	□
9	+0,1 +0,5	0,32	□	0,29	□
10		0,38	□	0,36	□
11		0,49	□	0,46	□
12		0,58	□	0,54	□
14		0,77	□	0,73	□
15	+0,2 +0,9	0,88	□	0,83	□
16		1,00	□	0,94	□
18		1,25	□	1,17	□
20		1,53	□	1,44	□
22		1,88	□	1,76	□
25		2,40	□	2,25	□
28	+0,2 +1,2	2,99	□	2,81	□
30		3,42	□	3,21	□
32		3,87	□	3,63	□
35		4,68	□	4,38	□
36	+0,2 +1,6	4,92	□	4,65	□
40		6,06	□	5,70	□
45		7,71	□	7,26	□
50	+0,3 +2,5	9,48	□	8,91	□
56		11,82	□	11,10	□
60		13,65	□	12,84	□
65	+0,3 +2,5	15,96	□	15,00	□
70		18,42	□	17,34	□
75	+0,4 +3,0	21,30	□	20,01	□
80		24,15	□	22,71	□
90	+0,5 +3,4	30,60	□	–	–
100	+0,6 +3,8	37,80	□	–	–
Other standard length: [1000 mm <sup>[1][3]</sup> ]					

<sup>[1]</sup>: tolerance on the lengths -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard length for diameters over 60 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® LSG PEEK



Polyetheretherketone [PEEK]

Ketron® LSG PEEK natural/black

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® LSG PEEK natural				Ketron® LSG PEEK black			
		[615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[1000 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[615 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[1000 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,92	□	22,53	□	13,92	□	22,53	□
6		16,41	□	26,55	□	16,41	□	26,55	□
8	+0,2 +0,9	21,72	□	35,10	□	21,72	□	35,10	□
10		26,70	□	43,20	□	26,70	□	43,20	□
12	+0,3 +1,5	32,85	□	53,10	□	32,85	□	53,10	□
15		40,35	□	65,25	□	40,35	□	65,25	□
16		42,75	□	69,30	□	42,75	□	69,30	□
18		47,70	□	–	–	47,70	□	–	–
20		52,80	□	85,35	□	52,80	□	85,35	□
25		65,25	□	105,60	□	65,25	□	105,60	□
30	+0,5 +2,5	79,65	□	–	–	79,65	□	–	–
35		92,10	□	–	–	92,10	□	–	–
40		104,55	□	–	–	104,55	□	–	–
45		117,00	□	–	–	117,00	□	–	–
50		129,45	□	–	–	129,45	□	–	–
55		143,55	□	–	–	143,55	□	–	–
60	+0,5 +3,5	156,00	□	–	–	156,00	□	–	–
65		168,45	□	–	–	168,45	□	–	–
70		180,90	□	–	–	180,90	□	–	–
80		208,20	□	–	–	208,20	□	–	–
90	+0,5 +5,0	233,10	□	–	–	233,10	□	–	–
100		258,00	□	–	–	258,00	□	–	–

Other standard sizes:  
 Thickness ≤ 25 mm = 615/1000 x 1000 mm<sup>[1] [3]</sup>  
 Thickness > 25 mm = 615 x 1000 mm<sup>[1] [3]</sup>

<sup>[1]</sup>: tolerances on width +5/+25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® LSG PEEK



Polyetheretherketone [PEEK]

Ketron® CLASSIX™ LSG PEEK white

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® CLASSIX™ LSG PEEK white			
		Standard size per piece: [615 x 3000 mm <sup>[1]</sup> ]		Standard size per piece: [1000 x 3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	14,94	□	24,18	□
6		17,61	□	28,50	□
8		23,28	□	37,65	□
10	+0,2 +0,9	28,65	□	46,35	□
12		35,25	□	57,00	□
15	+0,3 +1,5	43,20	□	69,90	□
16		45,90	□	74,25	□
18		51,30	□	-	-
20		56,55	□	91,65	□
25		69,90	□	113,25	□
30		85,35	□	-	-
35	+0,5 +2,5	98,70	□	-	-
40		112,20	□	-	-
45		125,55	□	-	-
50		138,90	□	-	-
55		153,90	□	-	-
60	+0,5 +3,5	167,25	□	-	-
65		180,75	□	-	-
70		194,10	□	-	-
80		223,35	□	-	-
90	+0,5 +5,0	250,05	□	-	-
100		276,90	□	-	-

Other standard sizes:

Thickness ≤ 25 mm = 615/1000 x 1000 mm<sup>[1] [3]</sup>Thickness > 25 mm = 615 x 1000 mm<sup>[1] [3]</sup>

<sup>[1]</sup>: tolerances on width +5/+25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Ketron® LSG PEEK



Polyetheretherketone [PEEK]

Ketron® LSG GF30 PEEK

Ketron® LSG CA30 PEEK

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ketron® LSG GF30 PEEK				Ketron® LSG CA30 PEEK			
		Standard sizes per piece:							
		[525 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[625 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[525 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]		[625 x 3000 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
5	+0,2 +0,7	13,77	□	-	-	12,96	□	-	-
6		16,23	□	-	-	15,27	□	-	-
8	+0,2 +0,9	21,51	□	-	-	20,22	□	-	-
10		26,43	□	-	-	24,84	□	-	-
12	+0,3 +1,5	-	-	38,40	□	-	-	36,15	□
15		-	-	47,10	□	-	-	44,25	□
16		-	-	50,10	□	-	-	47,10	□
18		-	-	55,80	□	-	-	52,50	□
20		-	-	61,65	□	-	-	58,05	□
25		-	-	76,20	□	-	-	71,70	□
30	+0,5 +2,5	-	-	93,15	□	-	-	87,45	□
35		-	-	107,70	□	-	-	101,25	□
40		-	-	122,25	□	-	-	114,90	□
45		-	-	136,80	□	-	-	128,55	□
50	+0,5 +3,5	-	-	151,35	□	-	-	142,35	□
55		-	-	167,85	□	-	-	157,80	□
60		-	-	182,40	□	-	-	171,45	□

Other standard sizes: [525/625 x 1000 mm<sup>[1]</sup>[3]]

<sup>[1]</sup>: tolerances on width +5/+25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# Quadrant® LSG PPSU



Polyphenylene Sulfone [PPSU]

Quadrant® LSG PPSU

**colour offering:** Quadrant® LSG PPSU black/white/blue/green/grey/yellow/red/rust/brown/orange

ROUND RODS											
Thicknesses	Tolerances on the diameters	Quadrant® R5100 LSG PPSU black		Quadrant® R5100 LSG PPSU white		Quadrant® R5500 LSG PPSU blue, green, grey, yellow		Quadrant® R5500 LSG PPSU red		Quadrant® R5500 LSG PPSU rust, brown, orange	
[mm]	[mm]	Standard length per piece: [3000 mm <sup>[1]</sup> ]									
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
6		0,11	□	0,11	□	0,11	□	0,11	□	0,11	□
8	+0,1 +0,2	0,20	□	0,20	□	0,20	□	0,20	□	0,20	□
10		0,32	□	0,32	□	0,32	□	0,32	□	0,32	□
12		<b>0,46</b>	■	0,46	□	0,46	□	0,46	□	0,46	□
15		0,71	□	0,71	□	0,71	□	0,71	□	0,71	□
16		<b>0,81</b>	■	0,81	□	0,81	□	0,81	□	0,81	□
18	+0,3 +0,4	1,02	□	1,02	□	1,02	□	1,02	□	1,02	□
20		<b>1,26</b>	■	1,26	□	1,26	□	1,26	□	1,26	□
22		1,52	□	1,52	□	1,52	□	1,52	□	1,52	□
25		1,97	■	1,97	□	1,97	□	1,97	□	1,97	□
28		2,46	□	2,46	□	2,46	□	2,46	□	2,46	□
30		2,82	□	2,82	□	2,82	□	2,82	□	2,82	□
32	+0,3 +0,5	<b>3,21</b>	■	3,21	□	3,21	□	3,21	□	3,21	□
36		4,05	□	4,05	□	4,05	□	4,05	□	4,05	□
40		<b>4,98</b>	■	4,98	□	4,98	□	4,98	□	4,98	□
45		6,33	□	6,33	□	6,33	□	6,33	□	6,33	□
50		<b>7,80</b>	■	7,80	□	7,80	□	7,80	□	7,80	□
56	+0,4 +0,6	9,78	□	9,78	□	9,78	□	9,78	□	9,78	□
60		11,22	□	11,22	□	11,22	□	11,22	□	11,22	□
65		13,17	□	13,17	□	13,17	□	13,17	□	13,17	□
70		15,24	□	15,24	□	15,24	□	15,24	□	15,24	□
80	+0,4 +3,0	20,91	□	20,91	□	20,91	□	20,91	□	20,91	□
90	+0,5 +3,4	26,49	□	26,49	□	26,49	□	26,49	□	26,49	□
100	+0,6 +3,8	32,70	□	32,70	□	32,70	□	32,70	□	32,70	□
110	+0,7 +4,2	39,60	□	39,60	□	39,60	□	39,60	□	39,60	□
120	+0,8 +4,6	47,25	□	47,25	□	47,25	□	47,25	□	47,25	□
125		51,15	□	51,15	□	51,15	□	51,15	□	51,15	□
130	+0,9 +5,4	55,65	□	55,65	□	55,65	□	55,65	□	55,65	□
140		64,20	□	64,20	□	64,20	□	64,20	□	64,20	□
150	+1,0 +5,8	73,80	□	73,80	□	73,80	□	73,80	□	73,80	□
160	+1,1 +6,3	-	-	-	-	-	-	-	-	-	-
170		-	-	-	-	-	-	-	-	-	-
180	+1,2 +7,4	-	-	-	-	-	-	-	-	-	-
190		-	-	-	-	-	-	-	-	-	-
200	+1,3 +8,5	-	-	-	-	-	-	-	-	-	-
<b>Other standard length: [1000 mm<sup>[1]</sup>]</b>											

<sup>[1]</sup>: tolerances on length -0/+3 %

<sup>[2]</sup>: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Quadrant® LSG PPSU



Polyphenylene Sulfone [PPSU]

Quadrant® LSG PPSU

**colour offering:** Quadrant® LSG PPSU blue/green/grey/yellow/red/rust/brown/orange

ROUND RODS											
Diameters	Tolerances on the diameters	Quadrant® R5500 LSG PPSU blue, grey	Quadrant® R5500 LSG PPSU green, yellow	Quadrant® R5500 LSG PPSU orange, rust	Quadrant® R5500 LSG PPSU red	Quadrant® R5500 LSG PPSU brown					
[mm]	[mm]	Standard length per piece: [3000 mm <sup>[1]</sup> ]									
		[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]	[kg/pce <sup>[2]</sup> ]
25,40	-0,00 +0,05	<b>1,74</b> ■*1	<b>1,74</b> ■*1	1,74 □	1,74 □	1,74 □	1,74 □	1,74 □	1,74 □	1,74 □	1,74 □
31,75		2,68 □	2,68 □	2,68 □	2,68 □	2,68 □	2,68 □	2,68 □	2,68 □	2,68 □	2,68 □
38,10	-0,00 +0,12	<b>3,88</b> ■	<b>3,88</b> ■*2	<b>3,88</b> ■	3,88 □	3,88 □	3,88 □	3,88 □	3,88 □	3,88 □	3,88 □
50,80		<b>6,88</b> ■	<b>6,88</b> ■*2	6,88 □	6,88 □	6,88 □	6,88 □	6,88 □	6,88 □	6,88 □	6,88 □
57,20		8,66 □	8,66 □	8,66 □	8,66 □	8,66 □	8,66 □	8,66 □	8,66 □	8,66 □	8,66 □
63,50	-0,00 +0,75	<b>10,74</b> □	<b>10,74</b> ■*2	10,74 □	10,74 □	10,74 □	10,74 □	10,74 □	10,74 □	10,74 □	10,74 □
69,90		12,91 □	12,91 □	12,91 □	12,91 □	12,91 □	12,91 □	12,91 □	12,91 □	12,91 □	12,91 □
76,20 (unground)		<b>15,47</b> ■	<b>15,47</b> ■	<b>15,47</b> ■*3	15,47 □	15,47 □	15,47 □	15,47 □	15,47 □	15,47 □	15,47 □
88,90 (unground)	+0,40 +3,00	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □	21,72 □
Other standard length: [1220 mm <sup>[1]</sup> ]											

<sup>[1]</sup>: tolerances on length -0/+3%

<sup>[2]</sup>: average production weights

\*1: standard item in blue and green colour only

\*2: standard item in yellow colour only

\*3: standard item in rust colour only

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Duratron® LSG PEI



Polyetherimide [PEI]

Duratron® LSG PEI natural

ROUND RODS					
Diameters <sup>[1]</sup>		Tolerances on the diameters [mm]	Standard lengths [mm] <sup>[2]</sup>	Duratron® LSG PEI natural	
[mm]	[inches]			[kg/pce] <sup>[3]</sup>	
6,35	1/4	-0,0 +0,10	2440	0,10	□
9,53	3/8		2440	0,23	□
12,70	1/2		2440	0,40	□
15,88	5/8		2440	0,63	□
19,05	3/4		2440	0,91	□
25,40	1		2440	1,61	□
31,75	1 1/4	-0,0 +0,15	2440	2,52	□
38,10	1 1/2		2440	3,62	□
50,80	2		2440	6,42	□
63,50	2 1/2	-0,0 +0,40	2440	10,10	□
76,20	3	-0,0 +6,50	1220	8,52	□
101,60	4		1220	14,57	□
127,00	5		1220	22,23	□
152,40	6		1220	31,50	□

<sup>[1]</sup>: for non-listed intermediate diameters, please consult us

<sup>[2]</sup>: all lengths shown are minimum values

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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# Quadrant® LSG PSU/LSG PC



Polysulfone [PSU]/Polycarbonate [PC]

Quadrant® LSG PSU natural

Quadrant® LSG PC natural

ROUND RODS					
Diameters [mm]	Tolerances on the diameters [mm]	Quadrant® LSG PSU natural		Quadrant® LSG PC natural	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]			
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
5		0,08	□	–	–
6		0,11	□	0,11	□
8	+0,1 +0,2	0,20	□	0,19	□
10		0,30	□	0,29	□
12		0,44	□	0,43	□
15		0,68	□	–	–
16		0,77	□	0,75	□
18		0,98	□	0,95	□
20	+0,3 +0,4	1,21	□	1,17	□
22		1,46	□	1,41	□
25		1,88	□	1,82	□
28		2,36	□	2,28	□
30		2,70	□	2,61	□
32		3,06	□	2,97	□
36	+0,3 +0,5	3,87	□	3,75	□
40		4,77	□	4,65	□
45		6,06	□	5,88	□
50		7,47	□	7,26	□
56		9,36	□	9,09	□
60	+0,4 +0,6	10,74	□	10,44	□
65		12,60	□	12,24	□
70		14,61	□	14,19	□
75		17,64	□	16,89	□
80	+0,4 +3,0	20,01	□	19,17	□
90	+0,5 +3,4	25,35	□	24,27	□
100	+0,6 +3,8	31,35	□	29,97	□
110	+0,7 +4,2	37,95	□	36,30	□
120	+0,8 +4,6	45,15	□	43,20	□
125		48,90	□	46,80	□
130		53,25	□	50,85	□
140	+0,9 +5,4	61,50	□	58,80	□
150	+1,0 +5,8	70,65	□	67,50	□
160	+1,1 +6,3	–	–	76,95	□
170		–	–	87,15	□
180	+1,2 +7,4	–	–	97,50	□
190		–	–	109,05	□
200	+1,3 +8,5	–	–	120,45	□
<b>Other standard length: [1000 mm<sup>[1][3]</sup>]</b>					

<sup>[1]</sup>: tolerance on the length -0/+3%

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard length for diameters over 60 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# Quadrant® LSG PPSU

Polyphenylene Sulfone [PPSU]

Quadrant® LSG PPSU

**colour offering:** Quadrant® LSG PPSU blue/green/grey/yellow/red/rust/brown/orange

PLATES							
Thicknesses	Tolerances on the thicknesses	Quadrant® LSG PPSU black	Quadrant® LSG PPSU white	Quadrant® LSG PPSU colored			
[mm]	[mm]	Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ]					
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
10	+0,2 +0,9	26,85	□	26,85	□	26,85	□
12	+0,3 +1,5	33,00	□	33,00	□	33,00	□
15		40,50	□	40,50	□	40,50	□
16		43,05	□	43,05	□	43,05	□
18		48,00	□	48,00	□	48,00	□
20		<b>53,10</b>	■	53,10	□	53,10	□
25	+0,5 +2,5	65,55	□	65,55	□	65,55	□
30		<b>80,10</b>	■	80,10	□	80,10	□
35		92,55	□	92,55	□	92,55	□
40		105,15	□	105,15	□	105,15	□
45		117,60	□	117,60	□	117,60	□
50		130,20	□	130,20	□	130,20	□
<b>Other standard size: [625 x 1000 mm<sup>[1][3]</sup>]</b>							

<sup>[1]</sup>: tolerances on width +5/25 mm, on length -0/+3%

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard length for thicknesses over 25 mm [manufactured to order and subject to special condition]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Duratron® LSG PEI



Polyetherimide [PEI]

Duratron® LSG PEI natural

PLATES				
Thicknesses		Tolerances on the thicknesses [mm]	Duratron® LSG PEI natural	
[mm]	[inches]		Standard size per piece: [610 x 1220 mm <sup>[1]</sup> ] [kg/pce <sup>[2]</sup> ]	
6,35	1/4	-0,0 +0,65	6,92	<input type="checkbox"/>
9,53	3/8		10,06	<input type="checkbox"/>
12,70	1/2		13,21	<input type="checkbox"/>
19,05	3/4		19,50	<input type="checkbox"/>
25,40	1		25,79	<input type="checkbox"/>
38,10	1 1/2		38,37	<input type="checkbox"/>
44,45	1 3/4		42,30	<input type="checkbox"/>
50,80	2		50,95	<input type="checkbox"/>
Other standard size: [605 x 610 mm <sup>[1]</sup> ]				

<sup>[1]</sup>: tolerances on width and length:

605 [-0/+15] x 610 [-0/+15] mm

610 [-0/+15] x 1220 [+5/+25] mm

<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

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# Quadrant® LSG PSU/LSG PC

Polysulfone [PSU]/Polycarbonate [PC] – PSU]

Quadrant® LSG PSU natural

Quadrant® LSG PC natural

PLATES					
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Quadrant® LSG PSU natural		Quadrant® LSG PC natural	
		Standard size per piece: [625 x 3000 mm <sup>[1]</sup> ]			
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
10	+0,2 +0,9	25,71	□	–	–
12		31,65	□	–	–
15		38,85	□	37,65	□
16		41,25	□	39,90	□
18	+0,3 +1,5	46,05	□	44,55	□
20		50,85	□	49,20	□
25		62,85	□	60,75	□
30		<b>76,65</b>	■	74,25	□
35		88,65	□	85,80	□
40	+0,5 +2,5	100,65	□	97,50	□
45		112,65	□	109,05	□
50		124,65	□	120,75	□
Other standard size: [625 x 1000 mm <sup>[1][3]</sup> ]					

<sup>[1]</sup>: tolerances on width +5/25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Acetron® LSG natural/black

ROUND RODS					
Diameters [mm]	Tolerances on the diameters [mm]	Acetron® LSG natural		Acetron® LSG black	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]			
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
6	+0,1 +0,4	0,14	□	0,14	□
8		0,24	□	0,24	□
10	+0,1 +0,5	<b>0,36</b>	■	<b>0,36</b>	■
12		0,53	□	0,53	□
14		0,71	□	0,71	□
15		0,81	□	0,81	□
16	+0,2 +0,7	0,92	□	0,92	□
18		1,16	□	1,16	□
20		1,42	▣	1,42	▣
22		1,73	□	1,73	□
25		<b>2,22</b>	■	<b>2,22</b>	■
28	+0,2 +0,9	2,78	□	2,78	□
30		3,18	□	3,18	□
32		3,63	□	3,63	□
36	+0,2 +1,1	4,56	□	4,56	□
40		<b>5,61</b>	■	<b>5,61</b>	■
45		7,11	□	7,11	□
50	+0,3 +1,3	8,76	▣	8,76	▣
56		10,95	□	10,95	□
60		12,60	□	12,60	□
65	+0,3 +1,6	14,76	□	14,76	□
70		17,07	□	17,07	□
75		19,71	□	19,71	□
80	+0,4 +2,0	22,38	□	22,38	□
90	+0,5 +2,2	28,29	□	28,29	□
100	+0,6 +2,5	34,95	□	34,95	□
110	+0,7 +3,0	42,45	□	42,45	□
120	+0,8 +3,5	50,70	□	50,70	□
130		59,40	□	59,40	□
140	+0,9 +3,8	68,70	□	68,70	□
150	+1,0 +4,2	79,05	□	79,05	□
160	+1,1 +4,5	90,00	□	90,00	□
170		101,70	□	101,70	□
180	+1,2 +5,0	113,70	□	113,70	□
190		126,90	□	126,90	□
200	+1,3 +5,5	140,40	□	140,40	□
Other standard length: [1000 mm <sup>[1][3]</sup> ]					

<sup>[1]</sup>: tolerances on width +5/25 mm, on length -0/+3 %

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



## Acetron® LSG



Polyacetal [POM-C]

Acetron® LSG natural/black

PLATES									
Thicknesses [mm]	Tolerances on the thickness [mm]	Acetron® LSG natural				Acetron® LSG black			
		Standard sizes per piece:							
		[1000 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[610 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[1000 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[610 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[1000 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[610 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[1000 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]	[610 x 3000 mm <sup>[1]</sup> [kg/pce <sup>[2]</sup> ]
8	+0,2 +0,9	37,20	□	22,95	–	37,20	□	22,95	–
10		46,05	□	28,32	–	46,05	□	28,32	–
12		56,25	□	34,65	–	56,25	□	34,65	–
15	+0,3 +1,5	–	–	42,60	□	–	–	42,60	–
16		73,65	□	45,30	□	73,65	□	45,30	□
18		–	–	50,70	□	–	–	50,70	□
20		91,05	□	56,10	□	91,05	□	56,10	□
25		112,80	□	69,45	□	112,80	□	69,45	□
30	+0,5 +2,5	137,25	□	84,60	□	137,25	□	84,60	□
35		–	–	97,95	□	–	–	97,95	□
40		180,90	□	111,30	□	180,90	□	111,30	□
45		–	–	124,80	□	–	–	124,80	□
50		224,40	□	138,15	□	224,40	□	138,15	□
60	+0,5 +3,5	–	–	166,35	□	–	–	166,35	□
70		–	–	193,20	□	–	–	193,20	□
80		–	–	222,00	□	–	–	222,00	□
90		–	–	248,85	□	–	–	248,85	□
100	+0,5 +5,0	–	–	275,70	□	–	–	275,70	□

Other standard sizes: [610/1000 x 1000 mm/1000 x 2000 mm<sup>[1][3]</sup>]

<sup>[1]</sup>: tolerances on width +5/25 mm, on length -0/+3%

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: non-standard size for thicknesses over 25 mm [manufactured to order and subject to special conditions]

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Proteus® LSG HS PP



Polypropylene [PP]

Proteus® LSG HS PP

PLATES					
Thicknesses <sup>[1]</sup>		Proteus® LSG HS PP white		Proteus® LSG HS PP black	
		Standard size per piece: [610 x 1220 mm <sup>[1]</sup> ]			
[mm]	[inches]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
12,70	1/2	8,51	□	8,51	□
25,40	1	<b>17,03</b>	■	<b>17,03</b>	■
31,75	1 1/4	21,29	□	21,29	□
38,10	1 1/2	<b>25,55</b>	■	<b>25,55</b>	■
44,45	1 3/4	29,80	□	29,80	□
50,80	2	<b>34,07</b>	■	<b>34,07</b>	■
63,50	2 1/2	42,57	□	42,57	□

<sup>[1]</sup>: all dimensions shown are minimum values

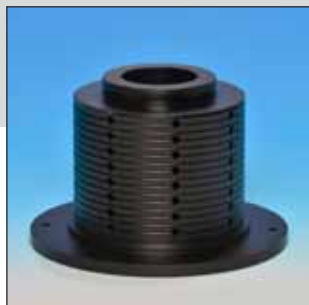
<sup>[2]</sup>: theoretical weights, based on nominal dimensions and average density

Other thicknesses / dimensions available on request

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# General Engineering Plastics for medium temperature range up to 140 °C

Ertalon® | Nylatron® | Ertacetal® | Ertalyte® | Semitron®



## Ertalon®

### **Ertalon 6 SA [PA 6; colours natural [white], black or blue]**

This material offers an optimal combination of mechanical strength, stiffness, toughness, mechanical damping properties and wear resistance. These properties, together with a good electrical insulating ability and a good chemical resistance make Ertalon 6 SA a «general purpose» grade for mechanical construction and maintenance.

### **Ertalon 66 SA [PA 66; colours natural [cream] or black]**

Material with a higher mechanical strength, stiffness, heat and wear resistance than Ertalon 6 SA. It also has a better creep resistance but its impact strength and mechanical damping ability is reduced. Well suited for machining on automatic lathes.

### **Ertalon 4.6 [PA 4.6; colour reddish-brown]**

Compared with conventional nylons, Ertalon 4.6 features a better retention of stiffness and creep resistance over a wide range of temperatures as well as superior heat ageing resistance. Therefore, applications for Ertalon 4.6 are situated in the «higher temperature area» [80–150 °C] where stiffness, creep resistance, heat ageing resistance, fatigue strength and wear resistance of PA 6, PA 66, POM and PET fall short.

### **Ertalon 66-GF30 [PA 66-GF30; colour grey-black]**

Compared with virgin PA 66, this 30% glass fibre reinforced and heat stabilised nylon grade offers increased strength, stiffness, creep resistance and dimensional stability whilst retaining an excellent wear resistance. It also allows higher maximum service temperatures.

### **Ertalon 6 PLA [PA 6; colour natural [ivory], black or blue]**

Unmodified cast nylon 6 grade exhibiting characteristics which come very close to those of Ertalon 66 SA. It combines high strength, stiffness and hardness with good creep and wear resistance, heat ageing properties and machinability.

### **Ertalon 6 XAU+ [PA 6; colour black]**

Ertalon 6 XAU+ is a heat stabilised cast nylon grade with a very dense and highly crystalline structure. Compared with conventional extruded or cast nylons, Ertalon 6 XAU+ offers superior heat ageing performance in air [much better resistance to thermal-oxidative degradation], allowing 15–30 °C higher continuously allowable service temperatures. Ertalon 6 XAU+ is particularly recommended for bearings and other mechanical parts subject to wear which are operating in air for long periods of time at temperatures over 60 °C.

### **Ertalon LFX [PA 6 + oil; colour green]**

This internally lubricated cast nylon 6 is self-lubricating in the real meaning of the word. Ertalon LFX, especially developed for unlubricated, highly loaded and slow moving parts applications, yields a considerable enlargement of the application opportunities compared to standard cast nylons. It offers a reduced coefficient of friction [up to 50% lower], considerably increasing the pressure-velocity capabilities, and a vastly improved wear resistance [up to 10 times better].

# General Engineering Plastics for medium temperature range up to 140 °C

Ertalon® | Nylatron® | Ertacetel® | Ertalyte® | Semitron®

## Nylatron®

### **Nylatron GS [PA 66 + MoS<sub>2</sub>; colour grey-black]**

The addition of MoS<sub>2</sub> renders this material somewhat stiffer, harder and dimensionally more stable than Ertalon 66 SA, but results in some loss of impact strength. The nucleating effect of the molybdenum disulphide results in an improved crystalline structure enhancing bearing and wear properties.

### **Nylatron MC 901 [PA 6; colour blue]**

This modified cast nylon 6 grade with its distinctive blue colour exhibits higher toughness, flexibility and fatigue resistance than Ertalon 6 PLA. It has proved to be an excellent material for gear wheels, racks and pinions.

### **Nylatron GSM [PA 6 + MoS<sub>2</sub>; colour grey-black]**

Nylatron GSM contains finely divided particles of molybdenum disulphide to enhance its bearing and wear behaviour without impairing the impact and fatigue resistance inherent to unmodified cast nylon grades. It is a very commonly used grade for gears, bearings, sprockets and sheaves.

### **Nylatron NSM [PA 6 + solid lubricants; colour grey]**

Nylatron NSM is a proprietary cast nylon 6 formulation containing solid lubricant additives which grant this material self-lubricity, excellent frictional behaviour, superior wear resistance and outstanding pressure-velocity capabilities [up to 5 times higher than conventional cast nylons]. Being particularly suited for higher velocity, unlubricated moving parts applications, it is the perfect complement to the oil-filled grade Ertalon LFX.

### **Nylatron LFG [PA 6 + oil; colours natural [ivory] or blue]**

Nylatron LFG [Lubricated Food Grade] is self-lubricating in the real meaning of the word and has a FDA food contact compliant composition. The Nylatron LFG has been specially developed for non-lubricated, highly loaded and slowly moving parts in food contact applications. Compared to standard cast nylons, it offers lower maintenance costs and longer service life.

### **Nylatron 703 XL [PA 6 + internal lubricants; colour purple]**

This high performance cast nylon 6 bearing grade provides an even better wear resistance than Nylatron NSM, combined with superior pressure-velocity capabilities and an industry first: a near zero level of «stick-slip». The elimination of stick-slip, mostly associated with chatter or squeaking, provides an extraordinary amount of motion control for high-precision applications.

### **Nylatron MD [PA 6; colour dark blue]**

This nylon 6 grade contains a metal detectable additive and has been specifically tailored for use in the food processing and packaging industries where it can easily be traced by the conventional metal detection systems installed to detect contamination of the foodstuffs (results may vary depending on the sensitivity of the metal detection system used). Nylatron MD is a material with higher wear and fatigue resistance and shows lower moisture absorption than standard PA 6. It is applied in temperature environments of up to 80 °C and also features a food contact compliant composition.

# General Engineering Plastics for medium temperature range up to 140 °C

Ertalon® | Nylatron® | Ertacetal® | Ertalyte® | Semitron®

## Ertacetal®/Acetron®

### **Ertacetal C [POM-C; colours natural [white], black, other colours]**

Ertacetal C is Quadrant's copolymer acetal grade. Next to the standard natural grade, there is also a series of special colours available all showing an FDA food contact compliant composition. The acetal copolymer is more resistant against hydrolysis, strong alkalis and thermal-oxidative degradation than the acetal homopolymer.

### **Ertacetal H [POM-H; colours natural [white] or black]**

Ertacetal H is Quadrant's homopolymer acetal grade. It offers a higher mechanical strength, stiffness, hardness and creep resistance as well as a lower thermal expansion rate and often also a better wear resistance than the acetal copolymer.

### **Ertacetal H-TF [POM-H + PTFE; colour deep brown]**

Ertacetal H-TF is a DELRIN® AF blend, a combination of PTFE fibres evenly dispersed in a DELRIN® acetal resin. Much of the strength that is inherent in Ertacetal H is retained. Some properties change due to the addition of PTFE fibre which is softer, less stiff and more slippery than virgin acetal resin. Compared with Ertacetal C and H, this material offers superior sliding properties. Bearings made of Ertacetal H-TF show low friction, long wear and are essentially free of stick-slip behaviour.

### **Acetron MD [POM; colour blue]**

This copolymer acetal grade, containing a metal detectable additive, has been specifically tailored for use in the food processing and packaging industries where it can easily be traced by the conventional metal detection systems installed to detect contamination of the foodstuffs (results may vary depending on the sensitivity of the metal detection system used). Acetron MD presents good mechanical strength, stiffness and impact strength, and it also features a food contact compliant composition.

## Semitron®

### **Semitron ESd 225 [static dissipative POM; colour beige]**

Semitron ESd 225 is an acetal based static dissipative material ideal for material handling applications. It is also an excellent choice for fixturing used in the manufacturing of hard disk drives or for handling in-process silicon wafers.

## Ertalyte®

### **Ertalyte [PET; colours natural [white] or black]**

The specific properties of this virgin crystalline PET make it especially suitable for the manufacture of mechanical precision parts which have to sustain high loads and/or are subject to wear.

### **Ertalyte TX [PET + solid lubricant; colour pale-grey]**

Ertalyte TX is a polyethylene terephthalate compound incorporating a uniformly dispersed solid lubricant. Its specific formulation makes it a premium internally lubricated bearing-grade. Ertalyte TX not only offers outstanding wear resistance, but in comparison to Ertalyte an even lower coefficient of friction as well as higher pressure-velocity capabilities.

## Quadrant® 1000 PC

### **Quadrant 1000 PC**

Quadrant Engineering Plastic Products is marketing non-UV-stabilised polycarbonate stock shapes under the trade name Quadrant 1000 PC. It is a natural, «non-optical» industrial quality (clear, translucent).



Polyamide[PA 6]

Ertalon® 6 SA natural/black

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 6 SA natural		Ertalon® 6 SA black	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
5		0,08	□	0,08	□
6	+0,1 +0,4	<b>0,11</b>	■	0,11	□
8		<b>0,19</b>	■	0,19	□
10	+0,1 +0,5	<b>0,29</b>	■	0,29	□
12		<b>0,42</b>	■	0,42	□
14		0,57	□	0,57	□
15	+0,2 +0,7	<b>0,65</b>	■	0,65	□
16		<b>0,74</b>	■	<b>0,74</b>	■
18		0,93	□	0,93	□
20		<b>1,14</b>	■	<b>1,14</b>	■
22		<b>1,39</b>	■	1,39	□
25		<b>1,79</b>	■	<b>1,79</b>	■
28	+0,2 +0,9	<b>2,22</b>	■	2,22	□
30		<b>2,55</b>	■	<b>2,55</b>	■
32		<b>2,91</b>	■	2,91	□
36	+0,2 +1,1	<b>3,66</b>	■	<b>3,66</b>	■
40		<b>4,50</b>	■	<b>4,50</b>	■
45		<b>5,73</b>	■	<b>5,73</b>	■
50	+0,3 +1,3	<b>7,05</b>	■	<b>7,05</b>	■
56		<b>8,79</b>	■	<b>8,79</b>	■
60		<b>10,14</b>	■	<b>10,14</b>	■
65	+0,3 +1,6	<b>11,85</b>	■	11,85	□
70		<b>13,71</b>	■	<b>13,71</b>	■
75		<b>15,84</b>	■	15,84	□
80	+0,4 +2,0	<b>17,97</b>	■	<b>17,97</b>	■
85	+0,5 +2,2	20,34	□	20,34	□
90		<b>22,74</b>	■	<b>22,74</b>	■
95	+0,6 +2,5	25,41	□	25,41	□
100		<b>28,11</b>	■	<b>28,11</b>	■
105	+0,7 +3,0	31,20	□	31,20	□
110		<b>34,05</b>	■	34,05	□
115		37,35	□	37,35	□
120	+0,8 +3,5	<b>40,65</b>	■	40,65	■
125		44,10	□	44,10	□
130		<b>47,70</b>	■	47,70	□
140	+0,9 +3,8	<b>55,20</b>	■	55,20	□
150	+1,0 +4,2	<b>63,45</b>	■	63,45	■
160	+1,1 +4,5	72,30	■	72,30	□
170	+1,2 +5,0	81,75	□	81,75	□
180		<b>91,35</b>	■	91,35	□
190	+1,3 +5,5	102,00	□	102,00	□
200		<b>112,80</b>	■	112,80	■
220	+1,3 +5,8	136,20	■	136,20	□
250	+1,5 +6,2	<b>175,65</b>	■	175,65	□
280	+1,6 +6,5	219,90	■	219,90	□
300	+1,7 +7,0	252,60	■	252,60	□
320	+1,8 +7,4	287,25	□	287,25	□

Other standard length: [1000 mm<sup>[2]</sup>]

<sup>[1]</sup>: tolerances according to DIN EN 15860    <sup>[2]</sup>: tolerances on the length -0/+3%    <sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide[PA 66]

Ertalon® 66 SA natural/black

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 66 SA natural		Ertalon® 66 SA black	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
5		0,08	□	0,08	□
6	+0,1 +0,4	<b>0,11</b>	■	0,11	□
8		<b>0,19</b>	■	0,19	□
10	+0,1 +0,5	<b>0,29</b>	■	0,29	□
12		<b>0,42</b>	■	0,42	□
14		0,57	□	0,57	□
15	+0,2 +0,7	<b>0,65</b>	■	0,65	□
16		<b>0,74</b>	■	0,74	□
18		<b>0,93</b>	■	0,93	□
20		<b>1,14</b>	■	1,14	■
22		1,39	□	1,39	□
25	+0,2 +0,9	<b>1,79</b>	■	1,79	■
28		2,22	■	2,22	□
30		<b>2,55</b>	■	2,55	■
32		<b>2,91</b>	■	2,91	□
36	+0,2 +1,1	<b>3,66</b>	■	3,66	■
40		<b>4,50</b>	■	4,50	□
45		<b>5,73</b>	■	5,73	□
50	+0,3 +1,3	<b>7,05</b>	■	7,05	■
56		<b>8,79</b>	■	8,79	□
60		<b>10,14</b>	■	10,14	■
65	+0,3 +1,6	<b>11,85</b>	■	11,85	□
70		<b>13,71</b>	■	13,71	□
75		<b>15,84</b>	■	15,84	□
80	+0,4 +2,0	<b>17,97</b>	■	17,97	□
85		<b>20,34</b>	■	20,34	□
90	+0,5 +2,2	<b>22,74</b>	■	22,74	□
95		25,41	□	25,41	□
100	+0,6 +2,5	<b>28,11</b>	■	28,11	□
110	+0,7 +3,0	<b>34,05</b>	■	–	–
120		40,65	■	–	–
125	+0,8 +3,5	44,10	□	–	–
130		47,70	■	–	–
140	+0,9 +3,8	55,20	□	–	–
150	+1,0 +4,2	63,45	■	–	–
160 <sup>[4]</sup>	+1,1 +4,5	72,30	□	–	–
170 <sup>[4]</sup>		81,75	□	–	–
180 <sup>[4]</sup>	+1,2 +5,0	91,35	■	–	–
190 <sup>[4]</sup>		102,00	□	–	–
200 <sup>[4]</sup>	+1,3 +5,5	112,80	□	–	–
220 <sup>[4]</sup>	+1,3 +5,8	136,20	□	–	–
250 <sup>[4]</sup>	+1,5 +6,2	175,65	□	–	–

Other standard length: [1000 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3 %<sup>[3]</sup>: average production weight<sup>[4]</sup>: these rods are made of Ertalon 66 SA-C, a modified polyamide 66■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 4.6] [66-GF30]

Ertalon® 4.6

Ertalon® 66-GF30

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 4.6		Ertalon® 66-GF 30	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
10	+0,1 +0,5	–	–	0,33	■
12		–	–	0,49	□
15		–	–	<b>0,75</b>	■
16	+ 0,2 +0,7	0,77	■	0,85	□
18		0,97	□	1,07	□
20		<b>1,19</b>	■	<b>1,31</b>	■
22		1,44	□	1,59	□
25	+0,2 +0,9	<b>1,85</b>	■	<b>2,04</b>	■
28		2,31	□	2,55	□
30		<b>2,64</b>	■	<b>2,91</b>	■
32		3,03	□	3,33	□
36	+0,2 +1,1	3,81	□	<b>4,20</b>	■
40		<b>4,71</b>	■	<b>5,16</b>	■
45		5,97	□	<b>6,54</b>	■
50	+0,3 +1,3	<b>7,35</b>	■	<b>8,04</b>	■
60	+0,3 +1,6	10,56	■	<b>11,58</b>	■
70		–	–	<b>15,66</b>	■
80	+0,4 +2,0	–	–	<b>20,52</b>	■
90	+0,5 +2,2	–	–	25,98	□
100	+0,6 +2,5	–	–	<b>32,10</b>	■
110	+0,7 +3,0	–	–	39,00	□
120		–	–	<b>46,50</b>	■
125	+0,8 +3,5	–	–	50,40	□
130		–	–	54,60	□
140	+0,9 +3,8	–	–	63,15	□
150	+1,0 +4,2	–	–	<b>72,60</b>	■
180	+1,2 +5,0	–	–	104,55	■
200	+1,3 +5,5	–	–	128,85	■

Other standard length: [1000 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3 %<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





Polyamide [PA 6]

Ertalon® 6 PLA natural/black

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
50	+0,5 +1,5	7,18	■	7,19	■
56		8,98	□	8,98	□
60		10,33	■	10,33	■
65	+0,5 +1,8	12,09	■	12,09	■
70		13,98	■	13,98	■
75	+0,7 +2,3	16,17	■	16,17	□
80		18,35	■	18,35	■
85		20,84	□	20,85	□
90	+1,0 +2,7	23,30	■	23,30	■
100		28,71	■	28,71	■
110	+1,0 +3,3	34,74	■	34,74	■
120		41,42	■	41,42	■
125	+1,1 +3,8	44,87	■	44,87	■
130		48,61	■	48,61	■
135		52,80	□	52,80	□
140	+1,2 +4,1	56,21	■	56,21	■
150		64,58	■	64,58	■
Other standard length: [1000 mm <sup>[2]</sup> ]					
[mm]	[mm]	Standard length per piece: [1000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
160	+2,0 +7,0	24,90	■	24,90	■
170		28,05	■	28,05	□
180		31,35	■	31,35	■
190		34,85	■	34,85	□
200		38,50	■	38,50	■
210		42,95	■	42,95	■
220		47,05	■	47,05	■
225	+3,0 +9,0	49,15	□	49,15	□
230		51,30	■	51,30	□
240		55,70	■	55,70	□
250		60,35	■	60,35	■
260		65,15	■	65,15	□
270		70,15	□	70,15	□
275		72,70	□	72,70	□
280	+4,0 +11,0	75,30	■	75,30	□
290		80,65	□	80,65	□
300		86,20	■	86,20	□
325		101,80	■	101,80	□
350		117,70	■	117,70	■
375		134,70	■	134,70	□
400		152,90	■	152,90	■
425	+5,0 +13,0	173,40	■	173,40	□
450		194,00	■	194,00	□
475		215,70	□	215,70	□
500		238,50	■	238,50	□
Other standard length: [500 mm <sup>[2]</sup> ]					

<sup>[1]</sup>: tolerances according to DIN EN 15860    <sup>[2]</sup>: tolerances on the length -0/+3%    <sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6]

Ertalon® 6 PLA blue

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 6 PLA blue	
		Standard length per piece: [1000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
150	+1,3 +4,5	21,52	□
160		24,90	□
170		28,05	□
180	+2,0 +7,0	31,35	□
190		34,85	□
200		38,50	□
210		42,95	□
220		47,05	□
225		49,15	□
230		51,30	□
240		55,70	□
250	+3,0 +9,0	60,35	□
260		65,15	□
270		70,15	□
275		72,70	□
280		75,30	□
290		80,65	□
300		86,20	□
325		101,80	□
350	+4,0 +11,0	117,70	□
375		134,70	□
400		152,90	□
425		173,40	□
450	+5,0 +13,0	194,00	□
475		215,70	□
500		238,50	□
Other standard length: [500 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances on the length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 XAU+  
Ertalon® LFX

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalon® 6 XAU+		Ertalon® LFX	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
50	+0,5 +1,5	<b>7,19</b>	■	<b>7,09</b>	■
56		8,97	□	8,85	□
60		10,33	■	<b>10,19</b>	■
65	+0,5 +1,8	12,10	□	11,95	□
70		<b>13,98</b>	■	13,80	■
75	+0,7 +2,3	16,15	□	15,95	□
80		18,35	■	<b>18,11</b>	■
85		20,85	□	20,90	□
90	+1,0 +2,7	<b>23,30</b>	■	23,00	■
100		<b>28,71</b>	■	<b>28,35</b>	■
110	+1,0 +3,3	34,74	□	34,29	□
120		<b>41,42</b>	■	40,95	□
125	+1,1 +3,8	44,85	□	44,25	□
130		48,61	□	47,97	□
135		52,34	□	51,66	□
140	+1,2 +4,1	56,21	□	55,50	□
150		64,58	■	63,74	■
Other standard length: [1000 mm <sup>[2]</sup> ]					
[mm]	[mm]	Standard length per piece: [1000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
160	+2,0 +7,0	24,90	□	24,60	■
170		28,05	□	27,65	□
180		31,35	□	30,95	□
190		34,85	■	34,40	□
200		38,50	□	38,00	■
210		42,95	□	42,40	□
220		47,05	□	46,40	□
225		49,15	□	48,50	□
230		51,30	□	50,60	□
240		55,70	□	55,00	□
250	+3,0 +9,0	60,35	□	59,55	□
260		65,15	□	64,30	□
270		70,15	□	69,25	□
275		72,70	□	71,75	□
280		75,30	□	74,35	□
290	80,65	□	79,60	□	
300	86,20	□	85,10	□	
325	+4,0 +11,0	101,80	□	100,50	□
350		117,70	□	116,10	□
375		134,70	□	133,00	□
400		152,90	□	150,90	□
425	+5,0 +13,0	173,40	□	171,20	□
450		194,00	□	191,50	□
475		215,70	□	212,90	□
500		238,50	□	235,40	□
Other standard length: [500 mm <sup>[2]</sup> ]					

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3 %<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA6 + OIL]

Nylatron® LFG natural

Nylatron® LFG blue

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Nylatron® LFG natural		Nylatron® LFG blue	
		Standard length per piece: [1000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
160	+2,0 +7,0	24,59	□	24,59	□
170		27,67	□	27,67	□
180		30,93	□	30,94	□
190		34,38	□	34,38	□
200		38,00	□	38,01	□
210	+3,0 +9,0	42,40	□	42,40	□
220		46,41	□	46,41	□
225		48,49	□	48,49	□
230		50,61	□	50,61	□
240		54,99	□	54,99	□
250		59,56	□	59,56	□
260		64,30	□	64,30	□
270		69,22	□	69,22	□
275		71,76	□	71,76	□
280		74,33	□	74,33	□
290	79,62	□	79,62	□	
300	85,09	□	85,09	□	
325	+4,0 +11,0	100,47	□	100,47	□
350		116,15	□	116,15	□
375		132,96	□	132,96	□
400	+5,0 +13,0	150,91	□	150,91	□
425		171,17	□	171,17	□
450		191,46	□	191,46	□
475		212,89	□	212,89	□
500		235,45	□	235,45	□

Other standard length: [500 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3 %<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Nylatron®

Polyamide [PA 6] [PA 6 + MOS<sub>2</sub>]Nylatron® MC 901  
Nylatron® GSM

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Nylatron® MC 901		Nylatron® GSM	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
50	+0,5 +1,5	<b>7,19</b>	■	<b>7,21</b>	■
56		8,97	□	9,01	■
60		10,33	■	<b>10,37</b>	■
65	+0,5 +1,8	12,10	□	12,14	■
70		14,00	□	14,04	■
75		16,15	□	16,24	■
80	+0,7 +2,3	18,35	□	<b>18,43</b>	■
85		20,85	□	20,93	■
90	+1,0 +2,7	23,30	□	23,40	□
100		28,71	□	<b>28,84</b>	■
110	+1,0 +3,3	34,80	□	34,89	■
120		41,40	□	41,55	■
125	+1,1 +3,8	44,85	□	45,00	□
130		48,60	□	<b>48,82</b>	■
135	+1,2 +4,1	52,34	□	52,57	□
140		56,25	□	56,45	□
150		64,65	□	64,86	■
Other standard length: [1000 mm <sup>[2]</sup> ]					
		Standard length per piece: [1000 mm <sup>[2]</sup> ]			
[mm]	[mm]	[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
160	+2,0 +7,0	24,90	□	<b>25,00</b>	■
170		28,05	□	28,15	□
180		31,35	■	31,50	■
190		34,85	□	35,00	□
200		38,50	□	<b>38,65</b>	■
210		42,95	□	43,15	□
220		47,05	□	47,25	□
225		49,15	□	49,35	□
230		51,30	□	51,50	□
240		55,70	□	55,95	□
250	+3,0 +9,0	60,35	□	60,60	■
260		65,15	□	65,45	□
270		70,15	□	70,45	□
275		72,70	□	73,00	□
280		75,30	□	75,65	□
290		80,65	□	81,00	□
300	86,20	□	86,60	□	
325	+4,0 +11,0	101,80	■	102,20	■
350		117,70	□	118,20	□
375		134,70	□	135,30	□
400		152,90	□	153,60	□
425	+5,0 +13,0	173,40	□	174,20	□
450		194,00	□	194,80	□
475		215,70	□	216,60	□
500		238,50	■	239,60	□
Other standard length: [500 mm <sup>[2]</sup> ]					

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3 %<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6 + SOLID LUBRICANTS]

Nylatron® NSM

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Nylatron® NSM	
		Standard length per piece: [3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
50	+0,5 +1,5	7,08	■
56		8,85	□
60		10,29	□
65	+0,5 +1,8	11,95	□
70		13,80	□
75	+0,7 +2,3	15,95	□
80		18,10	□
85	+1,0 +2,7	20,55	□
90		23,00	□
100	+1,0 +2,9	28,35	□
110	+1,0 +3,3	34,35	□
120	+1,1 +3,8	40,95	□
125		44,25	□
130	+1,2 +4,1	48,00	□
135		51,95	□
140		55,50	□
150	+1,3 +4,5	63,75	□
Other standard length: [1000 mm <sup>[2]</sup> ]			
[mm]	[mm]	Standard length per piece: [1000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
160	+2,0 +7,0	24,60	□
170		27,65	□
180		30,95	□
190		34,40	□
200		38,00	□
210		42,40	□
220		46,40	□
225		48,50	□
230		50,60	□
240		55,00	□
250	+3,0 +9,0	59,55	□
260		64,30	□
270		69,25	□
275		71,75	□
280		74,35	□
290	79,60	□	
300	85,10	□	
325	+4,0 +11,0	100,50	□
350		116,10	□
375		133,00	□
400	+5,0 +13,0	150,90	□
425		171,20	□
450		191,50	□
475		212,90	□
500		235,40	□
Other standard length: [500 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860    <sup>[2]</sup>: tolerances on the length -0/+3%    <sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Nylatron®

Polyamide [PA 66 + MOS<sub>2</sub>]

Nylatron® GS

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Nylatron® GS	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
6	+0,1 +0,4	0,11	□
8	+0,1 +0,5	0,19	□
10		0,29	□
12		<b>0,43</b>	■
15	+0,2 +0,7	0,66	□
16		<b>0,75</b>	■
18		0,95	☒
20		<b>1,16</b>	■
22	+0,2 +0,9	1,41	□
25		<b>1,82</b>	■
28		2,27	□
30		<b>2,58</b>	■
32	+0,2 +1,1	<b>2,96</b>	■
35		<b>3,51</b>	■
40		<b>4,56</b>	■
45	+0,3 +1,3	<b>5,82</b>	■
50		<b>7,14</b>	■
Other standard length: [1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances on the length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ☒ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Ertalon®



Polyamide [PA 6] [PA 66]

Ertalon® 6 SA natural  
Ertalon® 66 SA natural

SHEETS							
Thickness [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalon® 6 SA natural				Ertalon® 66 SA natural	
		Rolls		Sheets		Sheets	
		Standard weight per roll: approx. [50 kg] [kg/pce <sup>[4]</sup> ]		Standard size per piece: [1000 x 2000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]		Standard size per piece: [1000 x 2000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
0,5	-0,02 +0,08	53,55	□	-	-	-	-
0,8	-0,05 +0,10	52,45	□	-	-	-	-
1,0	-0,10 +0,10	49,15	□	2,34	■	-	-
1,5		49,30	□	3,52	□	-	-
2,0	-0,15 +0,15	-	-	<b>4,70</b>	■	<b>4,70</b>	■
2,5		-	-	5,88	□	-	-
3,0		-	-	<b>7,04</b>	■	<b>7,04</b>	■
4,0	-0,20 +0,20	-	-	<b>9,40</b>	■	10,55	□
5,0		-	-	<b>11,75</b>	■	<b>11,75</b>	■
6,0	-0,25 +0,25	-	-	<b>14,10</b>	■	<b>14,10</b>	■
8,0	+0,20 +0,90	-	-	20,40	■	-	-
				Other standard size: [1000 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances on the width and length -0/+3 %

<sup>[3]</sup>: average production weight

<sup>[4]</sup>: a coil contains approx. 50 kg of material; width 1000 [-0/+30] mm

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





# Nylatron®

Polyamide [PA 66 + MOS<sub>2</sub>]

Nylatron® GS

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Nylatron® GS	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	18,78	□
10		<b>23,19</b>	■
12		28,32	▣
16	+0,3 +1,5	37,20	▣
20		<b>46,05</b>	■
25		57,00	□
30	+0,5 +2,5	69,30	□
35		80,25	□
40		91,35	□
45		102,45	□
50		113,40	□
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm, length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6] [PA 66]

Ertalon® 6 SA natural/black

<b>PLATES</b>					
Thickness [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalon® 6 SA natural		Ertalon® 6 SA black	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	18,84	■	<b>18,84</b>	■
10		<b>23,19</b>	■	23,19	■
12		28,02	■	28,02	□
15		<b>34,50</b>	■	<b>34,50</b>	■
16	+0,3 +1,5	<b>36,75</b>	■	36,75	□
18		41,10	□	41,10	□
20		<b>45,45</b>	■	<b>45,45</b>	■
25		<b>56,25</b>	■	<b>56,25</b>	■
30	+0,5 +2,5	<b>68,40</b>	■	<b>68,40</b>	□
35		79,35	□	79,35	□
40		<b>90,15</b>	■	90,15	■
45		101,10	□	101,10	□
50	+0,5 +3,5	<b>111,90</b>	■	111,90	□
60		134,70	■	134,70	□
70		156,45	■	156,45	□
80		179,85	□	179,85	□
90	+0,5 +5,0	201,60	□	201,60	□
100		223,35	■	223,35	□
<b>Other standard size: [610 x 1000 mm<sup>[2]</sup>]</b>					

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm, length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
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Polyamide [PA 66] [PA 4.6] [66-GF30]

Ertalon® 66 SA natural/black

PLATES					
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalon® 66 SA natural		Ertalon® 66 SA black	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	18,45	■	18,45	□
10		22,77	■	22,77	□
12		27,84	■	27,84	□
15		34,35	■	34,35	□
16	+0,3 +1,5	36,45	■	36,45	□
20		45,15	■	45,15	□
25		55,95	■	55,95	□
30		67,95	■	67,95	□
35	+0,5 +2,5	78,75	□	78,75	□
40		89,55	■	89,55	□
45		100,35	□	100,35	□
50		111,15	■	111,15	□
60	+0,5 +3,5	133,80	□	133,80	□
70		155,40	□	155,40	□
80	+0,5 +5,0	178,65	□	178,65	□
90		200,25	□	200,25	□
100		221,85	□	221,85	□
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]					

Ertalon® 4.6  
Ertalon® 66-GF30

PLATES						
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalon® 4.6			Ertalon® 66-GF30	
		Standard size per piece:				
		[500 x 3000 mm <sup>[2]</sup> [kg/pce <sup>[4]</sup> ]	[610 x 3000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup> ]	[625 x 3000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup> ]		
10	+0,2 +0,9	-	24,15	■	26,52	■
15		-	36,45	■	39,90	■
20	+0,3 +1,5	-	47,70	■	52,50	■
25		-	59,10	■	65,10	■
30	+0,5 +2,5	-	72,00	■	79,20	■
40		-	94,65	■	104,40	■
50		96,60	■	-	129,45	■
60	+0,5 +3,5	-	-	-	155,85	■
70		-	-	-	181,05	□
80	+0,5 +5,0	-	-	-	208,05	■
90		-	-	-	233,10	□
100		-	-	-	258,30	■
Other standard size: [500/610 x 1000 mm <sup>[2]</sup> ]				Other standard size: [625 x 1000 mm <sup>[2]</sup> ]		

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances: width +5/+25 mm, length -0/+3 %<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6]

Ertalon® 6 PLA natural  
Ertalon® 6 PLA black

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ertalon® 6 PLA natural							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	10,05	■	33,15	■	40,45	□	50,55	■
12		11,80	■	38,90	■	47,45	□	59,30	■
16		15,35	■	50,40	■	61,50	□	76,85	■
20		18,85	■	61,95	■	75,60	□	94,45	■
25		23,20	■	76,35	■	93,15	□	116,40	■
30	+0,5 +3,0	27,90	■	91,85	■	112,10	■	140,10	■
35		32,30	■	106,30	■	129,70	□	162,10	■
40		36,70	■	120,70	■	147,30	□	184,10	■
45		41,05	□	135,10	■	164,80	■	206,00	□
50		45,45	■	149,50	■	182,40	□	228,00	■
55	+0,5 +3,5	50,35	□	165,70	□	202,20	□	252,70	□
60		54,75	■	180,10	■	219,70	□	274,70	■
65		59,10	□	194,50	□	237,30	□	296,47	□
70		63,50	■	208,90	■	254,90	□	318,60	■
75		67,99	□	223,30	□	272,40	□	-	□
80	+0,5 +4,5	72,25	■	237,70	■	290,00	□	362,50	■
90		81,00	■	266,50	□	325,10	□	406,40	■
100		89,75	■	295,30	■	360,30	□	450,30	■

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ertalon® 6 PLA black							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	10,05	■	33,15	■	40,45	□	50,55	■
12		11,80	■	38,90	■	47,45	□	59,30	■
16		15,35	■	50,40	□	61,50	□	76,85	■
20		18,85	■	61,95	■	75,60	□	94,45	■
25		23,20	■	76,35	■	93,15	□	116,40	■
30	+0,5 +3,0	27,90	■	91,85	■	112,10	■	140,10	■
35		32,30	■	106,30	□	129,70	□	162,10	■
40		36,70	■	120,70	■	147,30	□	184,10	■
45		41,05	□	135,10	□	164,80	□	206,00	□
50		45,45	■	149,50	■	182,40	□	228,00	■
55	+0,5 +3,5	50,35	□	165,70	□	202,20	□	252,70	□
60		54,75	■	180,10	■	219,70	□	274,70	■
65		59,10	□	194,50	□	237,30	□	296,47	□
70		63,50	■	208,90	□	254,90	□	318,60	■
75		67,90	□	223,30	□	272,40	□	-	□
80	+0,5 +4,5	72,25	□	237,70	■	290,00	□	362,50	□
90		81,00	□	266,50	□	325,10	□	406,40	□
100		89,75	□	295,30	□	360,30	□	450,30	□

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

<sup>[1]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning]

Ertalon®



Polyamide [PA 6]

Ertalon® 6 PLA blue

PLATES										
Thicknesses [mm]	Tolerances on the thicknesses [mm]		Ertalon® 6 PLA blue							
			Standard sizes per piece:							
			[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5	+2,5	10,05	□	33,15	□	40,45	□	50,55	□
12			11,80	□	38,90	□	47,45	□	59,30	□
16			15,35	□	50,40	□	61,50	□	76,85	□
20			18,85	□	61,95	□	75,60	□	94,45	□
25			23,20	□	76,35	□	93,15	□	116,40	□
30	+0,5	+3,0	27,90	□	91,85	□	112,10	□	140,10	□
35			32,30	□	106,30	□	129,70	□	162,10	□
40			36,70	□	120,70	□	147,30	□	184,10	□
45			41,05	□	135,10	□	164,80	□	206,00	□
50			45,45	□	149,50	□	182,40	□	228,00	□
55	+0,5	+3,5	50,35	□	165,70	□	202,20	□	252,70	□
60			54,75	□	180,10	□	219,70	□	274,70	□
65			59,10	□	194,50	□	237,30	□	296,47	□
70			63,50	□	208,90	□	254,90	□	318,60	□
75			67,90	□	223,30	□	272,40	□	-	□
80	+0,5	+4,5	72,25	□	237,70	□	290,00	□	362,50	□
90			81,00	□	266,50	□	325,10	□	406,40	□
95			85,40	□	281,10	□	350,60	□	438,30	□
100			89,75	□	295,30	□	360,30	□	450,30	□

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

<sup>[1]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® LFX  
Ertalon® 6 XAU+

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ertalon® LFX							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	9,94	■	32,70	□	39,90	□	49,85	■
12		11,65	■	38,40	□	46,85	□	58,55	■
16		15,15	■	49,75	□	60,70	□	75,85	■
20		18,60	■	61,15	□	74,60	□	93,25	■
25		22,90	■	75,35	□	91,95	□	114,90	■
30	+0,5 +3,0	27,55	■	90,65	□	110,60	□	138,20	■
35		31,90	■	104,90	□	128,00	□	160,00	■
40		36,20	■	119,10	□	145,30	□	181,60	■
45		40,50	□	133,30	□	162,60	□	203,30	□
50		44,85	■	147,50	□	180,00	□	224,90	■
55	+0,5 +3,5	49,70	□	163,50	□	199,50	□	249,30	□
60		54,05	■	177,70	□	216,80	□	271,00	■
65		58,35	□	192,00	□	234,20	□	292,62	□
70		62,65	■	206,20	□	251,60	□	314,50	■
75		67,00	□	220,40	□	268,90	□	-	-
80	+0,5 +4,5	71,30	■	234,60	□	286,20	□	357,80	■
90		79,95	□	263,10	□	321,00	□	401,20	□
100		88,60	■	291,50	□	355,60	□	444,50	■

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Ertalon® 6 XAU+							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	10,05	■	33,15	□	40,45	□	50,55	■
12		11,80	■	38,90	□	47,45	■	59,30	■
16		15,35	■	50,40	□	61,50	□	76,85	■
20		18,85	□	61,95	□	75,60	□	94,45	□
25		23,20	■	76,35	□	93,15	□	116,40	■
30	+0,5 +3,0	27,90	■	91,85	□	112,10	□	140,10	■
35		32,30	■	106,30	□	129,70	□	162,10	■
40		36,70	■	120,70	□	147,30	□	184,10	■
45		41,05	□	135,10	□	164,80	□	206,00	□
50		45,45	■	149,50	□	182,40	□	228,00	■
55	+0,5 +3,5	50,35	□	165,70	□	202,40	□	252,70	□
60		54,75	□	180,10	□	219,70	□	274,70	□
65		59,10	□	194,50	□	237,30	□	296,47	□
70		63,50	□	208,90	□	254,90	□	318,60	□
75		67,90	□	223,30	□	272,40	□	-	-
80	+0,5 +4,5	72,25	■	237,70	□	290,00	□	362,50	■
90		81,00	□	266,50	□	325,10	□	406,40	□
100		89,75	■	295,30	□	360,30	□	450,30	■

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

<sup>[1]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Nylatron®



Polyamide [PA6 + OIL]

Nylatron® LFG natural  
Nylatron® LFG BLue

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® LFG natural							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	9,94	□	32,70	□	39,90	□	49,85	□
12		11,65	□	38,40	□	46,85	□	58,55	□
16		15,15	□	49,75	□	60,70	□	75,85	□
20		18,60	□	61,15	□	74,60	□	93,25	□
25		22,90	□	75,35	□	91,95	□	114,90	□
30	+0,5 +3,0	27,55	□	90,65	□	110,60	□	138,20	□
35		31,90	□	104,90	□	128,00	□	160,00	□
40		36,20	□	119,10	□	145,30	□	181,60	□
45		40,50	□	133,30	□	162,60	□	203,30	□
50		44,85	□	147,50	□	180,00	□	224,90	□
55	+0,5 +3,5	49,70	□	163,50	□	199,50	□	249,30	□
60		54,05	□	177,70	□	216,80	□	271,00	□
65		58,35	□	192,00	□	234,20	□	–	–
70		62,65	□	206,20	□	251,60	□	314,50	□
75		67,00	□	220,40	□	268,90	□	–	–
80	+0,5 +4,5	71,30	□	234,60	□	286,20	□	357,80	□
90		79,95	□	263,10	□	321,00	□	401,20	□
100		88,60	□	291,50	□	355,60	□	444,50	□

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® LFG blue							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	9,94	□	32,70	□	39,90	□	49,85	□
12		11,65	□	38,40	□	46,85	□	58,55	□
16		15,15	□	49,75	□	60,70	□	75,85	□
20		18,60	□	61,15	□	74,60	□	93,25	□
25		22,90	□	75,35	□	91,95	□	114,90	□
30	+0,5 +3,0	27,55	□	90,65	□	110,60	□	138,20	□
35		31,90	□	104,90	□	128,00	□	160,00	□
40		36,20	□	119,10	□	145,30	□	181,60	□
45		40,50	□	133,30	□	162,60	□	203,30	□
50		44,85	□	147,50	□	180,00	□	224,90	□
55	+0,5 +3,5	49,70	□	163,50	□	199,50	□	249,30	□
60		54,05	□	177,70	□	216,80	□	271,00	□
65		58,35	□	192,00	□	234,20	□	–	–
70		62,65	□	206,20	□	251,60	□	314,50	□
75		67,00	□	220,40	□	268,90	□	–	–
80	+0,5 +4,5	71,30	□	234,60	□	286,20	□	357,80	□
90		79,95	□	263,10	□	321,00	□	401,20	□
100		88,60	□	291,50	□	355,60	□	444,50	□

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

<sup>[1]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning]

Polyamide [PA 6] [PA 6 + MOS<sub>2</sub>]Nylatron® MC 901  
Nylatron® GSM

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® MC 901							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	10,05	□	33,15	□	40,45	□	50,55	□
12		11,80	□	38,90	□	47,57	□	59,30	□
16		15,35	□	50,40	□	61,50	□	76,85	□
20		18,85	□	61,95	■	75,60	□	94,45	□
25		23,20	□	76,35	□	93,15	□	116,40	□
30	+0,5 +3,0	27,90	□	91,85	■	112,10	□	140,10	□
35		32,30	□	106,30	□	129,70	□	162,10	□
40		36,70	□	120,70	■	147,30	□	184,10	□
45		41,05	□	135,10	□	164,80	□	206,00	□
50		45,45	□	149,50	□	182,40	□	228,00	□
55	+0,5 +3,5	50,35	□	165,70	□	202,52	□	252,70	□
60		54,75	□	180,10	□	220,13	□	274,70	□
65		59,10	□	194,50	□	219,70	□	296,47	□
70		63,50	□	208,90	□	237,30	□	318,60	□
75		67,90	□	223,30	□	254,90	□	-	-
80	+0,5 +4,5	72,25	□	237,70	□	272,40	□	362,50	□
90		81,00	□	266,50	□	290,00	□	406,40	□
90		81,00	□	266,50	□	290,00	□	406,40	□
100		89,75	□	295,30	□	325,10	□	450,30	□

PLATES									
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® GSM							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	10,10	□	<b>33,30</b>	■	40,65	□	50,80	□
12		11,85	□	<b>39,05</b>	■	47,65	□	59,55	□
16		15,40	□	<b>50,65</b>	■	61,80	□	77,25	□
20		18,90	□	<b>62,20</b>	■	75,90	□	94,85	□
25		23,30	□	<b>76,70</b>	■	93,55	□	117,00	□
30	+0,5 +3,0	<b>28,05</b>	■	<b>92,25</b>	■	112,50	□	<b>140,70</b>	■
35		32,45	□	106,70	■	130,20	□	162,70	□
40		36,85	□	121,20	■	147,90	□	184,80	□
45		41,25	□	135,60	□	165,40	□	206,80	□
50		45,65	□	150,10	■	183,10	□	228,90	□
55	+0,5 +3,5	50,60	□	166,40	□	203,00	□	253,80	□
60		55,00	□	<b>180,90</b>	■	220,70	□	275,90	□
65		59,35	□	195,30	□	238,30	□	297,75	-
70		63,75	□	209,80	□	256,00	□	319,90	□
75		68,50	□	224,30	□	273,60	□	-	-
80	+0,5 +4,5	72,55	□	<b>238,70</b>	■	291,20	□	364,00	□
90		81,35	□	267,70	□	326,60	□	408,20	□
90		81,35	□	267,70	□	326,60	□	408,20	□
100		90,15	□	296,60	□	361,90	□	452,30	□

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

[1]: average production weights

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning]



Nylatron®



Polyamide [PA 6 + SOLID LUBRICANTS]

Nylatron® NSM  
Nylatron® 703 XL

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® NSM							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2440 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	9,94	□	<b>32,70</b>	■	39,90	□	49,85	□
12		11,65	□	38,40	■	46,85	□	58,55	□
16		15,15	□	<b>49,75</b>	■	60,70	■	75,85	□
20		18,60	□	61,15	■	74,60	□	93,25	□
25		22,90	□	<b>75,35</b>	■	91,95	□	114,90	□
30	+0,5 +3,0	27,55	■	<b>90,65</b>	■	110,60	□	138,20	■
35		31,90	□	104,90	□	128,00	□	160,00	□
40		36,20	□	119,10	■	145,30	□	181,60	□
45		40,50	□	133,30	□	162,60	□	203,30	□
50		44,85	□	147,50	□	180,00	□	224,90	□
55	+0,5 +3,5	49,70	□	163,50	□	199,50	□	249,30	□
60		54,05	□	177,70	□	216,80	□	271,00	□
65		58,35	□	192,00	□	234,20	□	295,18	□
70		62,65	□	206,20	□	251,60	□	314,50	□
75		67,00	□	220,40	□	268,90	□	-	-
80	+0,5 +4,5	71,30	□	234,60	□	286,20	□	357,80	□
90		79,95	□	263,10	□	321,00	□	401,20	□
90		79,95	□	263,10	□	321,00	□	401,20	□
100		88,60	□	291,50	□	355,60	□	444,50	□

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Nylatron® 703 XL							
		Standard sizes per piece:							
		[610 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1000 x 1220 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 2000 mm] [kg/pce <sup>[1]</sup> ]		[1220 x 3050 mm] [kg/pce <sup>[1]</sup> ]	
10	+0,5 +2,5	<b>8,26</b>	■	15,90	□	31,90	□	<b>41,30</b>	■
16		13,20	■	24,30	□	48,50	□	66,10	■
20		<b>16,50</b>	■	29,80	□	59,60	□	<b>82,60</b>	■
30		24,80	■	44,20	□	88,30	□	123,90	■
40		35,25	□	54,15	□	116,00	■	176,80	□
60	+0,5 +3,0	49,55	□	81,25	□	173,10	□	263,90	□
80		69,45	■	108,30	■	228,50	□	348,40	■

Tolerances on widths and lengths [mm]:

610 [0/+10] x 1220 [+10/+20] mm      1220 [+10/+20] x 2440 [+20/+40] mm

1220 [+10/+20] x 2000 [+10/+30] mm      1220 [+10/+20] x 3050 [+20/+40] mm

<sup>[1]</sup>: average production weights■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6] [PA 66]

Ertalon® 6 SA natural/black  
Ertalon® 66 SA natural

TUBES								
Diametres [mm] O.D. x I.D.	Tolerances <sup>[1]</sup> on the thicknesses [mm]		Ertalon® 6 SA natural		Ertalon® 6 SA black		Ertalon® 66 SA natural	
	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ]					
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
20 x 10			<b>0,94</b>	■	0,94	□	0,94	□
20 x 15			0,62	□	0,62	□	0,62	□
22 x 10			1,18	□	1,18	□	1,18	□
25 x 12			1,46	■	1,46	□	1,46	□
25 x 15	+0,4 +1,1	-0,4 -1,1	<b>1,25</b>	■	1,25	□	1,25	□
25 x 18			1,00	□	1,00	□	1,00	□
28 x 12			1,91	□	1,91	□	1,91	□
30 x 15			2,03	■	2,03	□	2,03	□
30 x 20			<b>1,58</b>	■	1,58	□	1,58	□
32 x 15			2,51	□	2,51	□	2,51	□
32 x 20			2,07	□	2,07	□	2,07	□
32 x 25			1,49	■	1,49	□	1,49	□
36 x 17			3,12	■	3,12	□	3,12	□
36 x 25			2,27	■	2,27	□	2,27	□
40 x 20			<b>3,69</b>	■	3,69	□	3,69	□
40 x 25			3,12	□	3,12	□	3,12	□
40 x 30			2,40	■	2,40	□	2,40	□
45 x 20	+0,6 +2,0	-0,6 -2	4,89	□	4,89	□	-	-
45 x 25			<b>4,32</b>	■	4,32	□	4,32	□
45 x 30			3,60	□	3,60	□	3,60	□
45 x 35			2,75	□	2,75	□	2,75	□
50 x 20			<b>6,21</b>	■	6,21	□	-	-
50 x 25			5,64	■	5,64	□	-	-
50 x 30			4,92	■	4,92	□	4,92	■
50 x 40			<b>3,09</b>	■	3,09	□	3,09	□
55 x 25			7,26	□	7,26	□	-	-
55 x 35	+0,8 +2,5	-0,8 -2,5	5,73	■	5,73	□	5,73	□
60 x 30			<b>8,16</b>	■	8,16	□	-	-
60 x 40			6,36	■	6,36	□	6,36	□
65 x 40			8,25	□	8,25	□	-	-
70 x 30			<b>12,06</b>	■	12,06	□	-	-
70 x 40			10,14	■	10,14	□	-	-
70 x 50			<b>7,80</b>	■	7,80	□	7,80	□
75 x 30	+0,8 +3,0	-0,8 -3,0	14,07	■	14,07	□	-	-
75 x 50			9,81	□	9,81	□	-	-
80 x 40			<b>14,34</b>	■	14,34	□	-	-
80 x 50			11,97	■	11,97	□	-	-
80 x 60			<b>9,09</b>	■	9,09	□	9,09	□
90 x 40			19,59	■	19,59	□	-	-
90 x 50			17,34	□	17,34	□	-	-
90 x 60			<b>14,52</b>	■	14,52	□	-	-
100 x 40	+1,2 +3,6	-1,6 -5,0	25,05	□	25,05	□	-	-
100 x 50			22,65	■	22,65	□	-	-
100 x 60			<b>19,83</b>	■	19,83	□	-	-
100 x 80			12,54	□	12,54	□	12,54	□

Other standard length: [1000 mm<sup>[2]</sup>]

For non-listed intermediate diameter, please consult us!

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on the length -0/+3%<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Nylatron®

Polyamide [PA 66 + MOS<sub>2</sub>]

Nylatron® GS

TUBES				
Diameters [mm] O.D. x I.D.	Tolerances <sup>[1]</sup> on the diameters [mm]		Nylatron® GS	
	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
20 x 10			0,98	□
25 x 15	+0,4 +1,1	-0,4 -1,1	1,30	□
30 x 15			2,09	□
30 x 20			1,62	□
36 x 20			<b>2,94</b>	■
36 x 25	+0,6 +2,0	-0,6 -2,0	2,37	□
40 x 25			3,24	□
40 x 30			2,52	□
45 x 25			4,44	□
45 x 30			3,75	□
45 x 35			2,88	□
50 x 30			5,10	□
50 x 35			4,23	□
50 x 40			3,24	□
60 x 45			+0,8 +2,5	-0,8 -2,5
60 x 50	4,23	□		
65 x 50	6,18	□		
65 x 55	+0,8 +3,0	-0,8 -3,0	4,80	□
66 x 53			5,76	□
<b>Other standard length: [1000 mm<sup>[2]</sup>]</b>				

For non-listed intermediate diameter, please consult us!

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
50 x 20	4,40	□	4,40	□	4,40	□	4,35	□
50 x 25	4,04	□	4,04	□	4,04	□	3,99	□
56 x 20	5,46	□	5,46	□	5,46	□	5,39	□
56 x 25	5,10	□	5,10	□	5,10	□	5,04	□
56 x 30	4,65	□	4,65	□	4,65	□	4,59	□
56 x 35	4,11	□	4,11	□	4,11	□	4,05	□
60 x 25	5,99	□	5,99	□	5,99	□	5,91	□
60 x 30	5,54	■	5,54	□	5,54	□	5,47	□
60 x 35	5,00	□	5,00	□	5,00	□	4,93	□
60 x 40	4,36	■	4,36	□	4,36	□	4,31	□
65 x 25	7,22	□	7,22	□	7,22	□	7,13	□
65 x 30	6,77	□	6,77	□	6,77	□	6,68	□
65 x 35	6,23	□	6,23	□	6,23	□	6,15	□
65 x 40	5,60	□	5,60	□	5,60	□	5,52	□
65 x 45	4,87	□	4,87	□	4,87	□	4,81	□
65 x 50	4,06	□	4,06	□	4,06	□	4,01	□
70 x 25	8,47	□	8,47	□	8,47	□	8,36	□
70 x 30	8,01	■	8,01	□	8,01	□	7,91	□
70 x 35	7,47	□	7,47	□	7,47	□	7,38	□
70 x 40	6,84	□	6,84	□	6,84	□	6,75	■
70 x 45	6,12	□	6,12	□	6,12	□	6,04	□
70 x 50	5,30	■	5,30	□	5,30	□	5,24	□
70 x 55	4,40	□	4,40	□	4,40	□	4,34	□
75 x 25	9,81	□	9,81	□	9,81	□	9,68	□
75 x 30	9,36	□	9,36	□	9,36	□	9,24	□
75 x 35	8,82	□	8,82	□	8,82	□	8,70	□
75 x 40	8,18	□	8,18	□	8,18	□	8,08	□
75 x 45	7,46	□	7,46	□	7,46	□	7,36	□
75 x 50	6,65	□	6,65	□	6,65	□	6,56	□
75 x 55	5,75	□	5,75	□	5,75	□	5,67	□
75 x 60	4,75	□	4,75	□	4,75	□	4,69	□
80 x 25	11,25	□	11,25	□	11,25	□	11,10	□
80 x 30	10,80	■	10,80	□	10,80	■	10,65	□
80 x 35	10,25	□	10,25	□	10,25	□	10,15	□
80 x 40	9,64	■	9,64	□	9,64	□	9,51	□
80 x 45	8,91	□	8,91	□	8,91	□	8,80	□
80 x 50	8,10	□	8,10	□	8,10	□	8,00	□
80 x 55	7,20	□	7,20	□	7,20	□	7,10	□
80 x 60	6,20	■	6,20	□	6,20	□	6,12	□
80 x 65	5,12	□	5,12	□	5,12	□	5,05	□
85 x 25	13,10	□	13,10	□	13,10	□	12,95	□
85 x 30	12,70	□	12,70	□	12,70	□	12,50	□
85 x 35	12,15	□	12,15	□	12,15	□	12,00	□
85 x 40	11,55	□	11,55	□	11,55	□	11,40	□
85 x 45	10,85	□	10,85	□	10,85	□	10,70	□
85 x 50	10,05	□	10,05	□	10,05	□	9,94	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
85 x 55	9,19	□	9,19	□	9,19	□	9,07	□
85 x 60	8,23	□	8,23	□	8,23	□	8,12	□
85 x 65	7,17	□	7,17	□	7,17	□	7,07	□
85 x 70	6,02	□	6,02	□	6,02	□	5,94	□
90 x 30	14,30	□	14,30	□	14,30	□	14,15	□
90 x 35	13,80	□	13,80	□	13,80	□	13,65	□
90 x 40	13,20	□	13,20	□	13,20	□	13,05	□
90 x 45	12,50	□	12,50	□	12,50	□	12,35	□
90 x 50	11,70	■	11,70	□	11,70	□	11,55	□
90 x 55	10,85	□	10,85	□	10,85	□	10,70	□
90 x 60	9,87	□	9,87	□	9,87	□	9,74	□
90 x 65	8,81	□	8,81	□	8,81	□	8,70	□
90 x 70	7,66	■	7,66	□	7,66	□	7,56	□
90 x 75	6,43	□	6,43	□	6,43	□	6,34	□
95 x 35	15,55	□	15,55	□	15,55	□	15,30	□
95 x 40	14,90	□	14,90	□	14,90	□	14,75	□
95 x 45	14,20	□	14,20	□	14,20	□	14,05	□
95 x 50	13,45	□	13,45	□	13,45	□	13,25	□
95 x 55	12,55	□	12,55	□	12,55	□	12,40	□
95 x 60	11,60	□	11,60	□	11,60	□	11,45	□
95 x 65	10,55	□	10,55	□	10,55	□	10,40	□
95 x 70	9,38	□	9,38	□	9,38	□	9,26	□
95 x 75	8,15	□	8,15	□	8,15	□	8,04	□
95 x 80	6,82	□	6,82	□	6,82	□	6,73	□
100 x 35	17,70	□	17,70	□	17,70	□	17,50	□
100 x 40	17,10	□	17,10	□	17,10	□	16,90	□
100 x 45	16,40	□	16,40	□	16,40	□	16,20	□
100 x 50	15,65	■	15,65	□	15,65	□	15,45	□
100 x 55	14,75	□	14,75	□	14,75	□	14,55	□
100 x 60	13,80	■	13,80	□	13,80	□	13,60	□
100 x 65	12,75	□	12,75	□	12,75	□	12,55	□
100 x 70	11,60	□	11,60	□	11,60	□	11,45	□
100 x 75	10,35	□	10,35	□	10,35	□	10,20	□
100 x 80	9,01	■	9,01	□	9,01	□	8,90	□
100 x 85	7,59	□	7,59	□	7,59	□	7,50	□
105 x 35	19,60	□	19,60	□	19,60	□	19,35	□
105 x 40	18,95	□	18,95	□	18,95	□	18,75	□
105 x 45	18,30	□	18,30	□	18,30	□	18,05	□
105 x 50	17,50	□	17,50	□	17,50	□	17,25	□
105 x 55	16,60	□	16,60	□	16,60	□	16,40	□
105 x 60	15,65	□	15,65	□	15,65	□	15,45	□
105 x 65	14,60	□	14,60	□	14,60	□	14,40	□
105 x 70	13,45	□	13,45	□	13,45	□	13,25	□
105 x 75	12,20	□	12,20	□	12,20	□	12,05	□
105 x 80	10,85	□	10,85	□	10,85	□	10,75	□
105 x 85	9,45	□	9,45	□	9,45	□	9,33	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
105 x 90	7,94	□	7,94	□	7,94	□	7,84	□
110 x 35	21,35	□	21,35	□	21,35	□	21,10	□
110 x 40	20,75	□	20,75	□	20,75	□	20,50	□
110 x 45	20,05	□	20,05	□	20,05	□	19,80	□
110 x 50	19,25	□	19,25	□	19,25	□	19,00	□
110 x 55	18,40	□	18,40	□	18,40	□	18,15	□
110 x 60	17,45	□	17,45	□	17,45	□	17,20	□
110 x 65	16,35	□	16,35	□	16,35	□	16,15	□
110 x 70	15,20	■	15,20	□	15,20	□	15,00	□
110 x 75	14,00	□	14,00	□	14,00	□	13,80	□
110 x 80	12,65	□	12,65	□	12,65	□	12,50	□
110 x 85	11,25	□	11,25	□	11,25	□	11,10	□
110 x 90	9,73	□	9,73	□	9,73	□	9,60	□
110 x 95	8,13	□	8,13	□	8,13	□	8,02	□
115 x 35	23,85	□	23,85	□	23,85	□	23,50	□
115 x 40	23,25	□	23,25	□	23,25	□	22,95	□
115 x 45	22,55	□	22,55	□	22,55	□	22,25	□
115 x 50	21,80	□	21,80	□	21,80	□	21,50	□
115 x 55	20,95	□	20,95	□	20,95	□	20,65	□
115 x 60	20,00	□	20,00	□	20,00	□	19,70	□
115 x 65	18,95	□	18,95	□	18,95	□	18,70	□
115 x 70	17,80	□	17,80	□	17,80	□	17,60	□
115 x 75	16,60	□	16,60	□	16,60	□	16,35	□
115 x 80	15,30	□	15,30	□	15,30	□	15,10	□
115 x 85	13,90	□	13,90	□	13,90	□	13,70	□
115 x 90	12,40	□	12,40	□	12,40	□	12,20	□
115 x 95	10,80	□	10,80	□	10,80	□	10,65	□
115 x 100	9,13	□	9,13	□	9,13	□	9,01	□
120 x 40	25,20	□	25,20	□	25,20	□	24,85	□
120 x 45	24,50	□	24,50	□	24,50	□	24,20	□
120 x 50	23,75	□	23,75	□	23,75	□	23,45	□
120 x 55	22,90	□	22,90	□	22,90	□	22,60	□
120 x 60	21,95	□	21,95	□	21,95	□	21,65	□
120 x 65	20,90	□	20,90	□	20,90	□	20,60	□
120 x 70	19,75	□	19,75	□	19,75	□	19,50	□
120 x 75	18,55	□	18,55	□	18,55	□	18,30	□
120 x 80	17,20	■	17,20	□	17,20	□	17,00	□
120 x 85	15,80	□	15,80	□	15,80	□	15,60	□
120 x 90	14,35	□	14,35	□	14,35	□	14,15	□
120 x 95	12,75	□	12,75	□	12,75	□	12,60	□
120 x 100	11,10	□	11,10	□	11,10	□	10,95	□
120 x 105	9,31	□	9,31	□	9,31	□	9,19	□
125 x 40	28,30	□	28,30	□	28,30	□	27,95	□
125 x 45	27,60	□	27,60	□	27,60	□	27,25	□
125 x 50	26,85	□	26,85	□	26,85	□	26,50	□
125 x 55	25,95	□	25,95	□	25,95	□	25,65	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
125 x 60	25,00	□	25,00	□	25,00	□	24,70	□
125 x 65	24,00	□	24,00	□	24,00	□	23,65	□
125 x 70	22,85	□	22,85	□	22,85	□	22,55	□
125 x 75	21,65	□	21,65	□	21,65	□	21,35	□
125 x 80	20,30	□	20,30	□	20,30	□	20,05	□
125 x 85	18,90	□	18,90	□	18,90	□	18,65	□
125 x 90	17,45	□	17,45	□	17,45	□	17,20	□
125 x 95	15,85	□	15,85	□	15,85	□	15,65	□
125 x 100	14,15	□	14,15	□	14,15	□	14,00	□
125 x 105	12,40	□	12,40	□	12,40	□	12,25	□
125 x 110	10,55	□	10,55	□	10,55	□	10,40	□
130 x 40	30,65	□	30,65	□	30,65	□	30,25	□
130 x 45	29,95	□	29,95	□	29,95	□	29,60	□
130 x 50	29,20	□	29,20	□	29,20	□	28,80	□
130 x 55	28,35	□	28,35	□	28,35	□	27,95	□
130 x 60	27,40	□	27,40	□	27,40	□	27,05	□
130 x 65	26,35	□	26,35	□	26,35	□	26,00	□
130 x 70	25,20	□	25,20	□	25,20	□	24,90	□
130 x 75	24,00	□	24,00	□	24,00	□	23,70	□
130 x 80	22,70	□	22,70	□	22,70	□	22,40	□
130 x 85	21,30	□	21,30	□	21,30	□	21,00	□
130 x 90	19,80	□	19,80	□	19,80	□	19,55	□
130 x 95	18,20	□	18,20	□	18,20	□	17,95	□
130 x 100	16,55	□	16,55	□	16,55	□	16,30	□
130 x 105	14,80	□	14,80	□	14,80	□	14,60	□
130 x 110	12,95	□	12,95	□	12,95	□	12,75	□
130 x 115	11,00	□	11,00	□	11,00	□	10,85	□
135 x 45	32,10	□	32,10	□	32,10	□	31,70	□
135 x 50	31,35	□	31,35	□	31,35	□	30,90	□
135 x 55	30,45	□	30,45	□	30,45	□	30,05	□
135 x 60	29,50	□	29,50	□	29,50	□	29,15	□
135 x 65	28,50	□	28,50	□	28,50	□	28,10	□
135 x 70	27,35	□	27,35	□	27,35	□	27,00	□
135 x 75	26,10	□	26,10	□	26,10	□	25,80	□
135 x 80	24,80	□	24,80	□	24,80	□	24,50	□
135 x 85	23,40	□	23,40	□	23,40	□	23,10	□
135 x 90	21,90	□	21,90	□	21,90	□	21,65	□
135 x 95	20,35	□	20,35	□	20,35	□	20,05	□
135 x 100	18,65	□	18,65	□	18,65	□	18,40	□
135 x 105	16,90	□	16,90	□	16,90	□	16,70	□
135 x 110	15,05	□	15,05	□	15,05	□	14,85	□
135 x 115	13,10	□	13,10	□	13,10	□	12,95	□
135 x 120	11,10	□	11,10	□	11,10	□	10,95	□
140 x 45	34,65	□	34,65	□	34,65	□	34,20	□
140 x 50	33,85	□	33,85	□	33,85	□	33,40	□
140 x 55	33,00	□	33,00	□	33,00	□	32,55	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
140 x 60	32,05	□	32,05	□	32,05	□	31,65	□
140 x 65	31,00	□	31,00	□	31,00	□	30,60	□
140 x 70	29,90	□	29,90	□	29,90	□	29,50	□
140 x 75	28,65	□	28,65	□	28,65	□	28,30	□
140 x 80	27,35	□	27,35	□	27,35	□	27,00	□
140 x 85	25,95	□	25,95	□	25,95	□	25,60	□
140 x 90	24,45	□	24,45	□	24,45	□	24,15	□
140 x 95	22,85	□	22,85	□	22,85	□	22,55	□
140 x 100	21,20	□	21,20	□	21,20	□	20,90	□
140 x 105	19,45	□	19,45	□	19,45	□	19,20	□
140 x 110	17,60	□	17,60	□	17,60	■	17,35	□
140 x 115	15,65	□	15,65	□	15,65	□	15,45	□
140 x 120	13,60	□	13,60	□	13,60	□	13,45	□
140 x 125	11,50	□	11,50	□	11,50	□	11,35	□
150 x 50	40,55	□	40,55	□	40,55	□	40,05	□
150 x 55	39,70	□	39,70	□	39,70	□	39,20	□
150 x 60	38,75	□	38,75	□	38,75	□	38,25	□
150 x 65	37,70	□	37,70	□	37,70	□	37,20	□
150 x 70	36,60	□	36,60	□	36,60	□	36,10	□
150 x 75	35,35	□	35,35	□	35,35	□	34,90	□
150 x 80	34,05	□	34,05	□	34,05	□	33,60	□
150 x 85	32,65	□	32,65	□	32,65	□	32,20	□
150 x 90	31,15	□	31,15	□	31,15	□	30,75	□
150 x 95	29,60	□	29,60	□	29,60	□	29,20	□
150 x 100	27,90	□	27,90	□	27,90	□	27,55	□
150 x 105	26,15	□	26,15	□	26,15	□	25,80	□
150 x 110	24,30	□	24,30	□	24,30	□	24,00	□
150 x 115	22,35	□	22,35	□	22,35	□	22,05	□
150 x 120	20,30	■	20,30	□	20,30	□	20,05	□
150 x 125	18,20	□	18,20	□	18,20	□	17,95	□
150 x 130	16,00	□	16,00	□	16,00	□	15,75	□
150 x 135	13,70	□	13,70	□	13,70	□	13,50	□
155 x 65	39,70	□	39,70	□	39,70	□	38,60	□
155 x 70	38,60	□	38,60	□	38,60	□	38,10	□
155 x 75	37,40	□	37,40	□	37,40	□	36,90	□
155 x 80	36,10	□	36,10	□	36,10	□	35,60	□
155 x 85	34,70	□	34,70	□	34,70	□	34,30	□
155 x 90	33,20	□	33,20	□	33,20	□	32,80	□
155 x 95	31,70	□	31,70	□	31,70	□	31,30	□
155 x 100	30,00	□	30,00	□	30,00	□	29,60	□
155 x 105	28,30	□	28,30	□	28,30	□	27,90	□
155 x 110	26,40	□	26,40	□	26,40	□	26,10	□
155 x 115	24,50	□	24,50	□	24,50	□	24,20	□
155 x 120	22,50	□	22,50	□	22,50	□	22,20	□
155 x 125	20,40	□	20,40	□	20,40	□	20,10	□
160 x 80	39,20	□	39,20	□	39,20	□	38,70	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [2000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
160 x 85	37,80	□	37,80	□	37,80	□	37,30	□
160 x 90	36,30	□	36,30	□	36,30	□	35,80	□
160 x 95	34,80	□	34,80	□	34,80	□	34,30	□
160 x 100	33,10	□	33,10	□	33,10	□	32,70	□
160 x 105	31,30	□	31,30	□	31,30	□	30,90	□
160 x 110	29,50	□	29,50	□	29,50	□	29,10	□
160 x 115	27,60	□	27,60	□	27,60	□	27,20	□
160 x 120	25,60	□	25,60	□	25,60	□	25,20	□
160 x 125	23,50	□	23,50	□	23,50	□	23,20	□
160 x 130	21,30	□	21,30	□	21,30	□	21,00	□
170 x 100	39,40	□	39,40	□	39,40	□	38,90	□
170 x 105	37,70	□	37,70	□	37,70	□	37,20	□
170 x 110	35,80	□	35,80	□	35,80	□	35,40	□
170 x 115	33,90	□	33,90	□	33,90	□	33,50	□
170 x 120	31,90	□	31,90	□	31,90	□	31,50	□
170 x 125	29,80	□	29,80	□	29,80	□	29,40	□
170 x 130	27,60	□	27,60	□	27,60	□	27,20	□
170 x 135	25,30	□	25,30	□	25,30	□	25,00	□
170 x 140	22,90	□	22,90	□	22,90	□	22,60	□
170 x 145	20,40	□	20,40	□	20,40	□	20,20	□
180 x 120	38,70	□	38,70	□	38,70	□	38,20	□
180 x 125	36,60	□	36,60	□	36,60	□	36,20	□
180 x 130	34,40	□	34,40	□	34,40	□	34,00	□
180 x 135	32,10	□	32,10	□	32,10	□	31,70	□
180 x 140	29,80	□	29,80	□	29,80	□	29,40	□
180 x 145	27,30	□	27,30	□	27,30	□	26,90	□
180 x 150	24,70	□	24,70	□	24,70	□	24,40	□
180 x 155	22,10	□	22,10	□	22,10	□	21,80	□
190 x 135	39,60	□	39,60	□	39,60	□	39,10	□
190 x 140	37,30	□	37,30	□	37,30	□	36,80	□
190 x 145	34,80	□	34,80	□	34,80	□	34,40	□
190 x 150	32,30	□	32,30	□	32,30	□	31,90	□
190 x 155	29,60	□	29,60	□	29,60	□	29,30	□
190 x 160	26,90	□	26,90	□	26,90	□	26,60	□
190 x 165	24,10	□	24,10	□	24,10	□	23,80	□
190 x 170	21,20	□	21,20	□	21,20	□	20,90	□
200 x 150	39,60	□	39,60	□	39,60	□	39,10	□
200 x 155	37,00	□	37,00	□	37,00	□	36,50	□
200 x 160	34,30	□	34,30	□	34,30	□	33,80	□
200 x 165	31,50	□	31,50	□	31,50	□	31,10	□
200 x 170	28,60	□	28,60	□	28,60	□	28,20	□
200 x 175	25,60	□	25,60	□	25,60	□	25,20	□
200 x 180	22,50	□	22,50	□	22,50	□	22,20	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
155 x 50	21,25	□	21,25	□	21,25	□	21,00	□
155 x 55	20,85	□	20,85	□	20,85	□	20,60	□
155 x 60	20,40	□	20,40	□	20,40	□	20,10	□
155 x 65	19,85	□	19,85	□	19,85	□	19,30	□
155 x 70	19,30	□	19,30	□	19,30	□	19,05	□
155 x 75	18,70	□	18,70	□	18,70	□	18,45	□
155 x 80	18,05	□	18,05	□	18,05	□	17,80	□
155 x 85	17,35	□	17,35	□	17,35	□	17,15	□
155 x 90	16,60	□	16,60	□	16,60	□	16,40	□
155 x 95	15,85	□	15,85	□	15,85	□	15,65	□
155 x 100	15,00	□	15,00	□	15,00	□	14,80	□
155 x 105	14,15	□	14,15	□	14,15	□	13,95	□
155 x 110	13,20	□	13,20	□	13,20	□	13,05	□
155 x 115	12,25	□	12,25	□	12,25	□	12,10	□
155 x 120	11,25	□	11,25	□	11,25	□	11,10	□
155 x 125	10,20	□	10,20	□	10,20	□	10,05	□
155 x 130	9,10	□	9,10	□	9,10	□	8,98	□
155 x 135	7,95	□	7,95	□	7,95	□	7,85	□
160 x 50	22,80	□	22,80	□	22,80	□	22,50	□
160 x 55	22,40	□	22,40	□	22,40	□	22,10	□
160 x 60	21,90	□	21,90	□	21,90	□	21,65	□
160 x 65	21,40	□	21,40	□	21,40	□	21,10	□
160 x 70	20,85	□	20,85	□	20,85	□	20,55	□
160 x 75	20,25	□	20,25	□	20,25	□	20,00	□
160 x 80	19,60	□	19,60	□	19,60	□	19,35	□
160 x 85	18,90	□	18,90	□	18,90	□	18,65	□
160 x 90	18,15	□	18,15	□	18,15	□	17,90	□
160 x 95	17,40	□	17,40	□	17,40	□	17,15	□
160 x 100	16,55	■	16,55	□	16,55	□	16,35	□
160 x 105	15,65	□	15,65	□	15,65	□	15,45	□
160 x 110	14,75	□	14,75	□	14,75	□	14,55	□
160 x 115	13,80	□	13,80	□	13,80	□	13,60	□
160 x 120	12,80	■	12,80	□	12,80	□	12,60	□
160 x 125	11,75	□	11,75	□	11,75	□	11,60	□
160 x 130	10,65	□	10,65	□	10,65	□	10,50	□
160 x 135	9,49	□	9,49	□	9,49	□	9,37	□
160 x 140	8,30	□	8,30	□	8,30	□	8,19	□
170 x 50	25,95	□	25,95	□	25,95	□	25,60	□
170 x 55	25,55	□	25,55	□	25,55	□	25,20	□
170 x 60	25,05	□	25,05	□	25,05	□	24,75	□
170 x 65	24,55	□	24,55	□	24,55	□	24,25	□
170 x 70	24,00	□	24,00	□	24,00	□	23,70	□
170 x 75	23,40	□	23,40	□	23,40	□	23,10	□
170 x 80	22,75	□	22,75	□	22,75	□	22,45	□
170 x 85	22,05	□	22,05	□	22,05	□	21,75	□
170 x 90	21,30	□	21,30	□	21,30	□	21,05	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
170 x 95	20,55	□	20,55	□	20,55	□	20,25	□
170 x 100	19,70	□	19,70	□	19,70	□	19,45	□
170 x 105	18,85	□	18,85	□	18,85	□	18,60	□
170 x 110	17,90	□	17,90	□	17,90	□	17,70	□
170 x 115	16,95	□	16,95	□	16,95	□	16,75	□
170 x 120	15,95	□	15,95	□	15,95	□	15,75	□
170 x 125	14,90	□	14,90	□	14,90	□	14,70	□
170 x 130	13,80	□	13,80	□	13,80	□	13,60	□
170 x 135	12,65	□	12,65	□	12,65	□	12,50	□
170 x 140	11,45	□	11,45	□	11,45	□	11,30	□
170 x 145	10,20	□	10,20	□	10,20	□	10,10	□
170 x 150	8,95	□	8,95	□	8,95	□	8,83	□
180 x 60	28,50	□	28,50	□	28,50	□	28,15	□
180 x 65	28,00	□	28,00	□	28,00	□	27,60	□
180 x 70	27,45	□	27,45	□	27,45	□	27,05	□
180 x 75	26,80	□	26,80	□	26,80	□	26,50	□
180 x 80	26,20	□	26,20	□	26,20	□	25,85	□
180 x 85	25,50	□	25,50	□	25,50	□	25,15	□
180 x 90	24,75	□	24,75	□	24,75	□	24,40	□
180 x 95	23,95	□	23,95	□	23,95	□	23,65	□
180 x 100	23,15	□	23,15	□	23,15	□	22,85	□
180 x 105	22,25	□	22,25	□	22,25	□	21,95	□
180 x 110	21,35	□	21,35	□	21,35	□	21,05	□
180 x 115	20,40	□	20,40	□	20,40	□	20,10	□
180 x 120	19,35	□	19,35	□	19,35	□	19,10	□
180 x 125	18,30	□	18,30	□	18,30	□	18,10	□
180 x 130	17,20	□	17,20	□	17,20	□	17,00	□
180 x 135	16,05	□	16,05	□	16,05	□	15,85	□
180 x 140	14,90	□	14,90	□	14,90	□	14,70	□
180 x 145	13,65	□	13,65	□	13,65	□	13,45	□
180 x 150	12,35	□	12,35	□	12,35	□	12,20	□
180 x 155	11,05	□	11,05	□	11,05	□	10,90	□
180 x 160	9,68	□	9,68	□	9,68	□	9,56	□
190 x 65	31,65	□	31,65	□	31,65	□	31,25	□
190 x 70	31,10	□	31,10	□	31,10	□	30,70	□
190 x 75	30,50	□	30,50	□	30,50	□	30,10	□
190 x 80	29,85	□	29,85	□	29,85	□	29,45	□
190 x 85	29,15	□	29,15	□	29,15	□	28,80	□
190 x 90	28,45	□	28,45	□	28,45	□	28,05	□
190 x 95	27,65	□	27,65	□	27,65	□	27,30	□
190 x 100	26,85	□	26,85	□	26,85	□	26,50	□
190 x 105	25,95	□	25,95	□	25,95	□	25,65	□
190 x 110	25,05	□	25,05	□	25,05	□	24,75	□
190 x 115	24,10	□	24,10	□	24,10	□	23,80	□
190 x 120	23,10	□	23,10	□	23,10	□	22,80	□
190 x 125	22,05	□	22,05	□	22,05	□	21,75	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
190 x 130	20,95	□	20,95	□	20,95	□	20,70	□
190 x 135	19,80	□	19,80	□	19,80	□	19,55	□
190 x 140	18,65	□	18,65	□	18,65	□	18,40	□
190 x 145	17,40	□	17,40	□	17,40	□	17,20	□
190 x 150	16,15	□	16,15	□	16,15	□	15,95	□
190 x 155	14,80	□	14,80	□	14,80	□	14,65	□
190 x 160	13,45	□	13,45	□	13,45	□	13,30	□
190 x 165	12,05	□	12,05	□	12,05	□	11,90	□
190 x 170	10,60	□	10,60	□	10,60	□	10,45	□
200 x 70	34,80	□	34,80	□	34,80	□	34,35	□
200 x 75	34,20	□	34,20	□	34,20	□	33,75	□
200 x 80	33,55	□	33,55	□	33,55	□	33,10	□
200 x 85	32,85	□	32,85	□	32,85	□	32,45	□
200 x 90	32,10	□	32,10	□	32,10	□	31,70	□
200 x 95	31,35	□	31,35	□	31,35	□	30,95	□
200 x 100	30,50	□	30,50	□	30,50	□	30,10	□
200 x 105	29,65	□	29,65	□	29,65	□	29,25	□
200 x 110	28,75	□	28,75	□	28,75	□	28,35	□
200 x 115	27,80	□	27,80	□	27,80	□	27,40	□
200 x 120	26,80	□	26,80	□	26,80	□	26,45	□
200 x 125	25,75	□	25,75	□	25,75	□	25,40	□
200 x 130	24,65	□	24,65	□	24,65	□	24,30	□
200 x 135	23,50	□	23,50	□	23,50	□	23,20	□
200 x 140	22,30	□	22,30	□	22,30	□	22,05	□
200 x 145	21,10	□	21,10	□	21,10	□	20,80	□
200 x 150	19,80	□	19,80	□	19,80	□	19,55	□
200 x 155	18,50	□	18,50	□	18,50	□	18,25	□
200 x 160	17,15	■	17,15	□	17,15	□	16,90	□
200 x 165	15,75	□	15,75	□	15,75	□	15,55	□
200 x 170	14,30	□	14,30	□	14,30	□	14,10	□
200 x 175	12,80	□	12,80	□	12,80	□	12,60	□
200 x 180	11,25	□	11,25	□	11,25	□	11,10	□
210 x 70	38,70	□	38,70	□	38,70	□	38,20	□
210 x 75	38,10	□	38,10	□	38,10	□	37,65	□
210 x 80	37,50	□	37,50	□	37,50	□	37,00	□
210 x 85	36,80	□	36,80	□	36,80	□	36,30	□
210 x 90	36,05	□	36,05	□	36,05	□	35,60	□
210 x 95	35,30	□	35,30	□	35,30	□	34,80	□
210 x 100	34,45	□	34,45	□	34,45	□	34,00	□
210 x 105	33,60	□	33,60	□	33,60	□	33,15	□
210 x 110	32,70	□	32,70	□	32,70	□	32,25	□
210 x 115	31,70	□	31,70	□	31,70	□	31,30	□
210 x 120	30,70	□	30,70	□	30,70	□	30,30	□
210 x 125	29,65	□	29,65	□	29,65	□	29,30	□
210 x 130	28,60	□	28,60	□	28,60	□	28,20	□
210 x 135	27,45	□	27,45	□	27,45	□	27,10	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
210 x 140	26,25	□	26,25	□	26,25	□	25,90	□
210 x 145	25,05	□	25,05	□	25,05	□	24,70	□
210 x 150	23,75	□	23,75	□	23,75	□	23,45	□
210 x 155	22,45	□	22,45	□	22,45	□	22,15	□
210 x 160	21,10	□	21,10	□	21,10	□	20,80	□
210 x 165	19,65	□	19,65	□	19,65	□	19,40	□
210 x 170	18,20	□	18,20	□	18,20	□	18,00	□
210 x 175	16,70	□	16,70	□	16,70	□	16,50	□
210 x 180	15,20	□	15,20	□	15,20	□	15,00	□
210 x 185	13,60	□	13,60	□	13,60	□	13,40	□
210 x 190	11,95	□	11,95	□	11,95	□	11,80	□
220 x 95	40,00	□	40,00	□	40,00	□	39,50	□
220 x 100	39,20	□	39,20	□	39,20	□	38,65	□
220 x 105	38,30	□	38,30	□	38,30	□	37,80	□
220 x 110	37,40	□	37,40	□	37,40	□	36,90	□
220 x 115	36,45	□	36,45	□	36,45	□	35,95	□
220 x 120	35,45	□	35,45	□	35,45	□	35,00	□
220 x 125	34,40	□	34,40	□	34,40	□	33,95	□
220 x 130	33,30	□	33,30	□	33,30	□	32,85	□
220 x 135	32,15	□	32,15	□	32,15	□	31,75	□
220 x 140	31,00	□	31,00	□	31,00	□	30,60	□
220 x 145	29,75	□	29,75	□	29,75	□	29,35	□
220 x 150	28,50	□	28,50	□	28,50	□	28,10	□
220 x 155	27,15	□	27,15	□	27,15	□	26,80	□
220 x 160	25,80	□	25,80	□	25,80	□	25,45	□
220 x 165	24,40	□	24,40	□	24,40	□	24,10	□
220 x 170	22,95	□	22,95	□	22,95	□	22,65	□
220 x 175	21,45	□	21,45	□	21,45	□	21,15	□
220 x 180	19,90	□	19,90	□	19,90	□	19,65	□
220 x 185	18,30	□	18,30	□	18,30	□	18,10	□
220 x 190	16,70	□	16,70	□	16,70	□	16,45	□
220 x 195	15,00	□	15,00	□	15,00	□	14,80	□
220 x 200	13,30	□	13,30	□	13,30	□	13,10	□
225 x 110	39,70	□	39,70	□	39,70	□	39,20	□
225 x 115	38,75	□	38,75	□	38,75	□	38,25	□
225 x 120	37,75	□	37,75	□	37,75	□	37,25	□
225 x 125	36,70	□	36,70	□	36,70	□	36,25	□
225 x 130	35,65	□	35,65	□	35,65	□	35,15	□
225 x 135	34,50	□	34,50	□	34,50	□	34,05	□
225 x 140	33,35	□	33,35	□	33,35	□	32,90	□
225 x 145	32,10	□	32,10	□	32,10	□	31,70	□
225 x 150	30,85	□	30,85	□	30,85	□	30,45	□
225 x 155	29,55	□	29,55	□	29,55	□	29,15	□
225 x 160	28,20	□	28,20	□	28,20	□	27,80	□
225 x 165	26,80	□	26,80	□	26,80	□	26,45	□
225 x 170	25,35	□	25,35	□	25,35	□	25,00	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
225 x 175	23,85	□	23,85	□	23,85	□	23,55	□
225 x 180	22,30	□	22,30	□	22,30	□	22,05	□
225 x 185	20,75	□	20,75	□	20,75	□	20,50	□
225 x 190	19,10	□	19,10	□	19,10	□	18,90	□
225 x 195	17,45	□	17,45	□	17,45	□	17,25	□
225 x 200	15,75	□	15,75	□	15,75	□	15,55	□
225 x 205	14,00	□	14,00	□	14,00	□	13,80	□
230 x 120	39,95	□	39,95	□	39,95	□	39,40	□
230 x 125	38,90	□	38,90	□	38,90	□	38,40	□
230 x 130	37,80	□	37,80	□	37,80	□	37,35	□
230 x 135	36,70	□	36,70	□	36,70	□	36,20	□
230 x 140	35,50	□	35,50	□	35,50	□	35,05	□
230 x 145	34,30	□	34,30	□	34,30	□	33,85	□
230 x 150	33,05	□	33,05	□	33,05	□	32,60	□
230 x 155	31,75	□	31,75	□	31,75	□	31,30	□
230 x 160	30,40	□	30,40	□	30,40	□	30,00	□
230 x 165	29,00	□	29,00	□	29,00	□	28,60	□
230 x 170	27,55	□	27,55	□	27,55	□	27,20	□
230 x 175	26,05	□	26,05	□	26,05	□	25,70	□
230 x 180	24,50	□	24,50	□	24,50	□	24,20	□
230 x 185	22,95	□	22,95	□	22,95	□	22,65	□
230 x 190	21,30	□	21,30	□	21,30	□	21,05	□
230 x 195	19,65	□	19,65	□	19,65	□	19,40	□
230 x 200	17,95	□	17,95	□	17,95	□	17,70	□
230 x 205	16,15	□	16,15	□	16,15	□	15,95	□
230 x 210	14,35	□	14,35	□	14,35	□	14,20	□
240 x 140	39,90	□	39,90	□	39,90	□	39,40	□
240 x 145	38,70	□	38,70	□	38,70	□	38,20	□
240 x 150	37,45	□	37,45	□	37,45	□	36,95	□
240 x 155	36,10	□	36,10	□	36,10	□	35,65	□
240 x 160	34,75	□	34,75	□	34,75	□	34,30	□
240 x 165	33,35	□	33,35	□	33,35	□	32,95	□
240 x 170	31,90	□	31,90	□	31,90	□	31,50	□
240 x 175	30,45	□	30,45	□	30,45	□	30,05	□
240 x 180	28,90	□	28,90	□	28,90	□	28,55	□
240 x 185	27,30	□	27,30	□	27,30	□	26,95	□
240 x 190	25,70	□	25,70	□	25,70	□	25,35	□
240 x 195	24,05	□	24,05	□	24,05	□	23,70	□
240 x 200	22,30	□	22,30	□	22,30	□	22,05	□
240 x 205	20,55	□	20,55	□	20,55	□	20,30	□
240 x 210	18,75	□	18,75	□	18,75	□	18,50	□
240 x 215	16,90	□	16,90	□	16,90	□	16,70	□
240 x 220	15,00	□	15,00	□	15,00	□	14,80	□
250 x 160	39,40	□	39,40	□	39,40	□	38,85	□
250 x 165	38,00	□	38,00	□	38,00	□	37,50	□
250 x 170	36,55	□	36,55	□	36,55	□	36,05	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [1000 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
250 x 175	35,05	□	35,05	□	35,05	□	34,60	□
250 x 180	33,50	□	33,50	□	33,50	□	33,10	□
250 x 185	31,95	□	31,95	□	31,95	□	31,50	□
250 x 190	30,30	□	30,30	□	30,30	□	29,90	□
250 x 195	28,65	□	28,65	□	28,65	□	28,25	□
250 x 200	26,95	□	26,95	□	26,95	□	26,60	□
250 x 205	25,15	□	25,15	□	25,15	□	24,85	□
250 x 210	23,35	□	23,35	□	23,35	□	23,05	□
250 x 215	21,50	□	21,50	□	21,50	□	21,25	□
250 x 220	19,65	□	19,65	□	19,65	□	19,35	□
250 x 225	17,70	□	17,70	□	17,70	□	17,45	□
250 x 230	15,70	□	15,70	□	15,70	□	15,50	□
260 x 175	40,35	□	40,35	□	40,35	□	39,85	□
260 x 180	38,85	□	38,85	□	38,85	□	38,35	□
260 x 185	37,30	□	37,30	□	37,30	□	36,80	□
260 x 190	35,65	□	35,65	□	35,65	□	35,20	□
260 x 195	34,00	□	34,00	□	34,00	□	33,60	□
260 x 200	32,30	□	32,30	□	32,30	□	31,90	□
260 x 205	30,55	□	30,55	□	30,55	□	30,15	□
260 x 210	28,80	□	28,80	□	28,80	□	28,40	□
260 x 215	26,95	□	26,95	□	26,95	□	26,60	□
260 x 220	25,05	□	25,05	□	25,05	□	24,75	□
260 x 225	23,15	□	23,15	□	23,15	□	22,85	□
260 x 230	21,15	□	21,15	□	21,15	□	20,90	□
260 x 235	19,15	■	19,15	□	19,15	□	18,90	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
220 x 70	26,45	□	26,45	□	26,45	□	26,10	□
220 x 75	26,05	□	26,05	□	26,05	□	25,70	□
220 x 80	25,65	□	25,65	□	25,65	□	25,35	□
220 x 85	25,25	□	25,25	□	25,25	□	24,90	□
220 x 90	24,80	□	24,80	□	24,80	□	24,50	□
225 x 70	27,80	□	27,80	□	27,80	□	27,40	□
225 x 75	27,40	□	27,40	□	27,40	□	27,05	□
225 x 80	27,05	□	27,05	□	27,05	□	26,70	□
225 x 85	26,60	□	26,60	□	26,60	□	26,30	□
225 x 90	26,20	□	26,20	□	26,20	□	25,85	□
225 x 95	25,70	□	25,70	□	25,70	□	25,40	□
225 x 100	25,20	□	25,20	□	25,20	□	24,90	□
225 x 105	24,70	□	24,70	□	24,70	□	24,40	□
230 x 70	29,10	□	29,10	□	29,10	□	28,75	□
230 x 75	28,75	□	28,75	□	28,75	□	28,40	□
230 x 80	28,35	□	28,35	□	28,35	□	28,00	□
230 x 85	27,95	□	27,95	□	27,95	□	27,60	□
230 x 90	27,50	□	27,50	□	27,50	□	27,15	□
230 x 95	27,05	□	27,05	□	27,05	□	26,70	□
230 x 100	26,55	□	26,55	□	26,55	□	26,20	□
230 x 105	26,05	□	26,05	□	26,05	□	25,70	□
230 x 110	25,50	□	25,50	□	25,50	□	25,15	□
230 x 115	24,90	□	24,90	□	24,90	□	24,60	□
240 x 70	31,80	□	31,80	□	31,80	□	31,35	□
240 x 75	31,40	□	31,40	□	31,40	□	31,00	□
240 x 80	31,05	□	31,05	□	31,05	□	30,65	□
240 x 85	30,60	□	30,60	□	30,60	□	30,25	□
240 x 90	30,20	□	30,20	□	30,20	□	29,80	□
240 x 95	29,70	□	29,70	□	29,70	□	29,35	□
240 x 100	29,20	□	29,20	□	29,20	□	28,85	□
240 x 105	28,70	□	28,70	□	28,70	□	28,35	□
240 x 110	28,15	□	28,15	□	28,15	□	27,80	□
240 x 115	27,55	□	27,55	□	27,55	□	27,20	□
240 x 120	26,95	□	26,95	□	26,95	□	26,60	□
240 x 125	26,35	□	26,35	□	26,35	□	26,00	□
240 x 130	25,70	□	25,70	□	25,70	□	25,35	□
240 x 135	25,00	□	25,00	□	25,00	□	24,65	□
250 x 70	34,60	□	34,60	□	34,60	□	34,15	□
250 x 75	34,25	□	34,25	□	34,25	□	33,80	□
250 x 80	33,85	□	33,85	□	33,85	□	33,40	□
250 x 85	33,45	□	33,45	□	33,45	□	33,00	□
250 x 90	33,00	□	33,00	□	33,00	□	32,55	□
250 x 95	32,50	□	32,50	□	32,50	□	32,10	□
250 x 100	32,05	□	32,05	□	32,05	□	31,60	□
250 x 105	31,50	□	31,50	□	31,50	□	31,10	□
250 x 110	30,95	□	30,95	□	30,95	□	30,55	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
250 x 115	30,40	□	30,40	□	30,40	□	30,00	□
250 x 120	29,75	□	29,75	□	29,75	□	29,40	□
250 x 125	29,15	□	29,15	□	29,15	□	28,75	□
250 x 130	28,50	□	28,50	□	28,50	□	28,10	□
250 x 135	27,80	□	27,80	□	27,80	□	27,45	□
250 x 140	27,10	□	27,10	□	27,10	□	26,75	□
250 x 145	26,35	□	26,35	□	26,35	□	26,00	□
250 x 150	25,55	□	25,55	□	25,55	□	25,25	□
250 x 155	24,80	□	24,80	□	24,80	□	24,45	□
260 x 70	37,70	□	37,70	□	37,70	□	37,20	□
260 x 75	37,35	□	37,35	□	37,35	□	36,85	□
260 x 80	36,95	□	36,95	□	36,95	□	36,45	□
260 x 85	36,55	□	36,55	□	36,55	□	36,05	□
260 x 90	36,10	□	36,10	□	36,10	□	35,65	□
260 x 95	35,65	□	35,65	□	35,65	□	35,20	□
260 x 100	35,15	□	35,15	□	35,15	□	34,70	□
260 x 105	34,65	□	34,65	□	34,65	□	34,20	□
260 x 110	34,10	□	34,10	□	34,10	□	33,65	□
260 x 115	33,55	□	33,55	□	33,55	□	33,10	□
260 x 120	32,95	□	32,95	□	32,95	□	32,50	□
260 x 125	32,30	□	32,30	□	32,30	□	31,90	□
260 x 130	31,65	□	31,65	□	31,65	□	31,25	□
260 x 135	31,00	□	31,00	□	31,00	□	30,60	□
260 x 140	30,30	□	30,30	□	30,30	□	29,90	□
260 x 145	29,55	□	29,55	□	29,55	□	29,15	□
260 x 150	28,80	□	28,80	□	28,80	□	28,40	□
260 x 155	28,00	□	28,00	□	28,00	□	27,65	□
260 x 160	27,20	□	27,20	□	27,20	□	26,80	□
260 x 165	26,35	□	26,35	□	26,35	□	26,00	□
260 x 170	25,45	□	25,45	□	25,45	□	25,15	□
270 x 70	40,65	□	40,65	□	40,65	□	40,10	□
270 x 75	40,30	□	40,30	□	40,30	□	39,75	□
270 x 80	39,90	□	39,90	□	39,90	□	39,40	□
270 x 85	39,50	□	39,50	□	39,50	□	39,00	□
270 x 90	39,05	□	39,05	□	39,05	□	38,55	□
270 x 95	38,60	□	38,60	□	38,60	□	38,10	□
270 x 100	38,10	□	38,10	□	38,10	□	37,60	□
270 x 105	37,60	□	37,60	□	37,60	□	37,10	□
270 x 110	37,05	□	37,05	□	37,05	□	36,55	□
270 x 115	36,50	□	36,50	□	36,50	□	36,00	□
270 x 120	35,90	□	35,90	□	35,90	□	35,40	□
270 x 125	35,25	□	35,25	□	35,25	□	34,80	□
270 x 130	34,60	□	34,60	□	34,60	□	34,15	□
270 x 135	33,95	□	33,95	□	33,95	□	33,50	□
270 x 140	33,20	□	33,20	□	33,20	□	32,80	□
270 x 145	32,50	□	32,50	□	32,50	□	32,05	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
270 x 150	31,75	□	31,75	□	31,75	□	31,30	□
270 x 155	30,95	□	30,95	□	30,95	□	30,55	□
270 x 160	30,10	□	30,10	□	30,10	□	29,75	□
270 x 165	29,30	□	29,30	□	29,30	□	28,90	□
270 x 170	28,40	□	28,40	□	28,40	□	28,05	□
270 x 175	27,50	□	27,50	□	27,50	□	27,15	□
270 x 180	26,60	□	26,60	□	26,60	□	26,25	□
270 x 185	25,65	□	25,65	□	25,65	□	25,30	□
270 x 190	24,65	□	24,65	□	24,65	□	24,35	□
270 x 195	23,65	□	23,65	□	23,65	□	23,35	□
270 x 200	22,60	□	22,60	□	22,60	□	22,30	□
270 x 205	21,55	□	21,55	□	21,55	□	21,25	□
270 x 210	20,45	□	20,45	□	20,45	□	20,20	□
270 x 215	19,35	□	19,35	□	19,35	■	19,10	□
270 x 220	18,20	□	18,20	□	18,20	□	17,95	□
270 x 225	17,00	□	17,00	□	17,00	□	16,80	□
270 x 230	15,80	□	15,80	□	15,80	□	15,60	□
270 x 235	14,60	□	14,60	□	14,60	□	14,40	□
270 x 240	13,35	□	13,35	□	13,35	□	13,15	□
270 x 245	12,05	□	12,05	□	12,05	□	11,90	□
275 x 70	42,55	□	42,55	□	42,55	□	42,00	□
275 x 75	42,20	□	42,20	□	42,20	□	41,65	□
275 x 80	41,85	□	41,85	□	41,85	□	41,30	□
275 x 85	41,45	□	41,45	□	41,45	□	40,90	□
275 x 90	41,00	□	41,00	□	41,00	□	40,45	□
275 x 95	40,55	□	40,55	□	40,55	□	40,00	□
275 x 100	40,05	□	40,05	□	40,05	□	39,55	□
275 x 105	39,55	□	39,55	□	39,55	□	39,00	□
275 x 110	39,00	□	39,00	□	39,00	□	38,50	□
275 x 115	38,40	□	38,40	□	38,40	□	37,90	□
275 x 120	37,85	□	37,85	□	37,85	□	37,35	□
275 x 125	37,20	□	37,20	□	37,20	□	36,70	□
275 x 130	36,55	□	36,55	□	36,55	□	36,05	□
275 x 135	35,85	□	35,85	□	35,85	□	35,40	□
275 x 140	35,15	□	35,15	□	35,15	□	34,70	□
275 x 145	34,45	□	34,45	□	34,45	□	34,00	□
275 x 150	33,65	□	33,65	□	33,65	□	33,25	□
275 x 155	32,90	□	32,90	□	32,90	□	32,45	□
275 x 160	32,05	□	32,05	□	32,05	□	31,65	□
275 x 165	31,20	□	31,20	□	31,20	□	30,80	□
275 x 170	30,35	□	30,35	□	30,35	□	29,95	□
275 x 175	29,45	□	29,45	□	29,45	□	29,05	□
275 x 180	28,50	□	28,50	□	28,50	□	28,15	□
275 x 185	27,55	□	27,55	□	27,55	□	27,20	□
275 x 190	26,60	□	26,60	□	26,60	□	26,25	□
275 x 195	25,60	□	25,60	□	25,60	□	25,25	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
275 x 200	24,55	□	24,55	□	24,55	□	24,25	□
275 x 205	23,50	□	23,50	□	23,50	□	23,20	□
275 x 210	22,40	□	22,40	□	22,40	□	22,10	□
275 x 215	21,30	□	21,30	□	21,30	□	21,00	□
275 x 220	20,15	□	20,15	□	20,15	□	19,85	□
275 x 225	18,95	□	18,95	□	18,95	□	18,70	□
275 x 230	17,75	□	17,75	□	17,75	□	17,55	□
275 x 235	16,55	□	16,55	□	16,55	□	16,30	□
275 x 240	15,30	□	15,30	□	15,30	□	15,10	□
275 x 245	14,00	□	14,00	□	14,00	□	13,80	□
275 x 250	12,70	□	12,70	□	12,70	□	12,55	□
280 x 70	43,95	□	43,95	□	43,95	□	43,40	□
280 x 75	43,60	□	43,60	□	43,60	□	43,05	□
280 x 80	43,20	□	43,20	□	43,20	□	42,65	□
280 x 85	42,80	□	42,80	□	42,80	□	42,25	□
280 x 90	42,40	□	42,40	□	42,40	□	41,85	□
280 x 95	41,90	□	41,90	□	41,90	□	41,40	□
280 x 100	41,45	□	41,45	□	41,45	□	40,90	□
280 x 105	40,90	□	40,90	□	40,90	□	40,40	□
280 x 110	40,40	□	40,40	□	40,40	□	39,85	□
280 x 115	39,80	□	39,80	□	39,80	□	39,30	□
280 x 120	39,20	□	39,20	□	39,20	□	38,70	□
280 x 125	38,60	□	38,60	□	38,60	□	38,10	□
280 x 130	37,95	□	37,95	□	37,95	□	37,45	□
280 x 135	37,25	□	37,25	□	37,25	□	36,75	□
280 x 140	36,55	□	36,55	□	36,55	□	36,05	□
280 x 145	35,80	□	35,80	□	35,80	□	35,35	□
280 x 150	35,05	□	35,05	□	35,05	□	34,60	□
280 x 155	34,25	□	34,25	□	34,25	□	33,80	□
280 x 160	33,45	□	33,45	□	33,45	□	33,00	□
280 x 165	32,60	□	32,60	□	32,60	□	32,20	□
280 x 170	31,75	□	31,75	□	31,75	□	31,30	□
280 x 175	30,85	□	30,85	□	30,85	□	30,45	□
280 x 180	29,90	□	29,90	□	29,90	□	29,50	□
280 x 185	28,95	□	28,95	□	28,95	□	28,60	□
280 x 190	27,95	□	27,95	□	27,95	□	27,60	□
280 x 195	26,95	□	26,95	□	26,95	□	26,60	□
280 x 200	25,95	□	25,95	□	25,95	□	25,60	□
280 x 205	24,85	□	24,85	□	24,85	□	24,55	□
280 x 210	23,80	□	23,80	□	23,80	□	23,45	□
280 x 215	22,65	□	22,65	□	22,65	□	22,35	□
280 x 220	21,50	□	21,50	□	21,50	□	21,25	□
280 x 225	20,35	□	20,35	□	20,35	□	20,10	□
280 x 230	19,15	□	19,15	□	19,15	□	18,90	□
280 x 235	17,90	□	17,90	□	17,90	□	17,70	□
280 x 240	16,65	□	16,65	□	16,65	□	16,45	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
280 x 245	15,40	□	15,40	□	15,40	□	15,20	□
280 x 250	14,05	□	14,05	□	14,05	□	13,90	□
280 x 255	12,75	□	12,75	□	12,75	□	12,55	□
290 x 70	47,05	□	47,05	□	47,05	□	46,45	□
290 x 75	46,70	□	46,70	□	46,70	□	46,10	□
290 x 80	46,35	□	46,35	□	46,35	□	45,75	□
290 x 85	45,95	□	45,95	□	45,95	□	45,35	□
290 x 90	45,50	□	45,50	□	45,50	□	44,90	□
290 x 95	45,05	□	45,05	□	45,05	□	44,45	□
290 x 100	44,55	□	44,55	□	44,55	□	44,00	□
290 x 105	44,05	□	44,05	□	44,05	□	43,45	□
290 x 110	43,50	□	43,50	□	43,50	□	42,95	□
290 x 115	42,95	□	42,95	□	42,95	□	42,35	□
290 x 120	42,35	□	42,35	□	42,35	□	41,80	□
290 x 125	41,70	□	41,70	□	41,70	□	41,15	□
290 x 130	41,05	□	41,05	□	41,05	□	40,50	□
290 x 135	40,40	□	40,40	□	40,40	□	39,85	□
290 x 140	39,65	□	39,65	□	39,65	□	39,15	□
290 x 145	38,95	□	38,95	□	38,95	□	38,45	□
290 x 150	38,15	□	38,15	□	38,15	□	37,70	□
290 x 155	37,40	□	37,40	□	37,40	□	36,90	□
290 x 160	36,55	□	36,55	□	36,55	□	36,10	□
290 x 165	35,75	□	35,75	□	35,75	□	35,25	□
290 x 170	34,85	□	34,85	□	34,85	□	34,40	□
290 x 175	33,95	□	33,95	□	33,95	□	33,50	□
290 x 180	33,05	□	33,05	□	33,05	□	32,60	□
290 x 185	32,10	□	32,10	□	32,10	□	31,65	□
290 x 190	31,10	□	31,10	□	31,10	□	30,70	□
290 x 195	30,10	□	30,10	□	30,10	□	29,70	□
290 x 200	29,05	□	29,05	□	29,05	□	28,70	□
290 x 205	28,00	□	28,00	□	28,00	□	27,65	□
290 x 210	26,90	□	26,90	□	26,90	□	26,55	□
290 x 215	25,80	□	25,80	□	25,80	□	25,45	□
290 x 220	24,65	□	24,65	□	24,65	□	24,30	□
290 x 225	23,45	□	23,45	□	23,45	□	23,15	□
290 x 230	22,25	□	22,25	□	22,25	□	22,00	□
290 x 235	21,05	□	21,05	□	21,05	□	20,75	□
290 x 240	19,80	□	19,80	□	19,80	□	19,55	□
290 x 245	18,50	□	18,50	□	18,50	□	18,25	□
290 x 250	17,20	□	17,20	□	17,20	□	16,95	□
290 x 255	15,85	□	15,85	□	15,85	□	15,65	□
290 x 260	14,50	□	14,50	□	14,50	□	14,30	□
290 x 265	13,10	□	13,10	□	13,10	□	12,95	□
300 x 80	49,75	□	49,75	□	49,75	□	49,10	□
300 x 85	49,35	□	49,35	□	49,35	□	48,70	□
300 x 90	48,95	□	48,95	□	48,95	□	48,30	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
300 x 95	48,45	□	48,45	□	48,45	□	47,85	□
300 x 100	48,00	□	48,00	□	48,00	□	47,35	□
300 x 105	47,45	□	47,45	□	47,45	□	46,85	□
300 x 110	46,90	□	46,90	□	46,90	□	46,30	□
300 x 115	46,35	□	46,35	□	46,35	□	45,75	□
300 x 120	45,75	□	45,75	□	45,75	□	45,15	□
300 x 125	45,15	□	45,15	□	45,15	□	44,55	□
300 x 130	44,50	□	44,50	□	44,50	□	43,90	□
300 x 135	43,80	□	43,80	□	43,80	□	43,25	□
300 x 140	43,10	□	43,10	□	43,10	□	42,55	□
300 x 145	42,35	□	42,35	□	42,35	□	41,80	□
300 x 150	41,60	□	41,60	□	41,60	□	41,05	□
300 x 155	40,80	□	40,80	□	40,80	□	40,25	□
300 x 160	40,00	□	40,00	□	40,00	□	39,45	□
300 x 165	39,15	□	39,15	□	39,15	□	38,65	□
300 x 170	38,25	□	38,25	□	38,25	□	37,80	□
300 x 175	37,40	□	37,40	□	37,40	□	36,90	□
300 x 180	36,45	□	36,45	□	36,45	□	36,00	□
300 x 185	35,50	□	35,50	□	35,50	□	35,05	□
300 x 190	34,50	□	34,50	□	34,50	□	34,05	□
300 x 195	33,50	□	33,50	□	33,50	□	33,05	□
300 x 200	32,45	□	32,45	□	32,45	□	32,05	□
300 x 205	31,40	□	31,40	□	31,40	□	31,00	□
300 x 210	30,30	□	30,30	□	30,30	□	29,95	□
300 x 215	29,20	□	29,20	□	29,20	□	28,80	□
300 x 220	28,05	□	28,05	□	28,05	□	27,70	□
300 x 225	26,90	□	26,90	□	26,90	□	26,65	□
300 x 230	25,70	□	25,70	□	25,70	□	25,35	□
300 x 235	24,45	□	24,45	□	24,45	□	24,15	□
300 x 240	23,20	□	23,20	□	23,20	□	22,90	□
300 x 245	21,90	□	21,90	□	21,90	□	21,65	□
300 x 250	20,60	□	20,60	□	20,60	□	20,35	□
300 x 255	19,30	□	19,30	□	19,30	□	19,05	□
300 x 260	17,90	□	17,90	□	17,90	□	17,70	□
300 x 265	16,50	□	16,50	□	16,50	□	16,30	□
300 x 270	15,10	□	15,10	□	15,10	□	14,90	□
300 x 275	13,65	□	13,65	□	13,65	□	13,50	□
325 x 80	58,85	□	58,85	□	58,85	□	58,10	□
325 x 85	58,45	□	58,45	□	58,45	□	57,70	□
325 x 90	58,05	□	58,05	□	58,05	□	57,25	□
325 x 95	57,55	□	57,55	□	57,55	□	56,85	□
325 x 100	57,10	□	57,10	□	57,10	□	56,35	□
325 x 105	56,60	□	56,60	□	56,60	□	55,85	□
325 x 110	56,05	□	56,05	□	56,05	□	55,30	□
325 x 115	55,50	□	55,50	□	55,50	□	54,75	□
325 x 120	54,90	□	54,90	□	54,90	□	54,20	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
325 x 125	54,30	□	54,30	□	54,30	□	53,55	□
325 x 130	53,65	□	53,65	□	53,65	□	52,95	□
325 x 135	52,95	□	52,95	□	52,95	□	52,25	□
325 x 140	52,25	□	52,25	□	52,25	□	51,60	□
325 x 145	51,55	□	51,55	□	51,55	□	50,85	□
325 x 150	50,80	□	50,80	□	50,80	□	50,10	□
325 x 155	50,00	□	50,00	□	50,00	□	49,35	□
325 x 160	49,20	□	49,20	□	49,20	□	48,55	□
325 x 165	48,35	□	48,35	□	48,35	□	47,70	□
325 x 170	47,50	□	47,50	□	47,50	□	46,85	□
325 x 175	46,60	□	46,60	□	46,60	□	46,00	□
325 x 180	45,70	□	45,70	□	45,70	□	45,10	□
325 x 185	44,75	□	44,75	□	44,75	□	44,15	□
325 x 190	43,75	□	43,75	□	43,75	□	43,20	□
325 x 195	42,75	□	42,75	□	42,75	□	42,20	□
325 x 200	41,75	□	41,75	□	41,75	□	41,20	□
325 x 205	40,65	□	40,65	□	40,65	□	40,15	□
325 x 210	39,60	□	39,60	□	39,60	□	39,10	□
325 x 215	38,50	□	38,50	□	38,50	□	38,00	□
325 x 220	37,35	□	37,35	□	37,35	□	36,85	□
325 x 225	36,20	□	36,20	□	36,20	□	35,70	□
325 x 230	35,00	□	35,00	□	35,00	□	34,55	□
325 x 235	33,75	□	33,75	□	33,75	□	33,35	□
325 x 240	32,50	□	32,50	□	32,50	□	32,10	□
325 x 245	31,25	□	31,25	□	31,25	□	30,85	□
325 x 250	29,95	□	29,95	□	29,95	□	29,55	□
325 x 255	28,60	□	28,60	□	28,60	□	28,25	□
325 x 260	27,25	□	27,25	□	27,25	□	26,90	□
325 x 265	25,85	□	25,85	□	25,85	□	25,55	□
325 x 270	24,45	□	24,45	□	24,45	□	24,15	□
325 x 275	23,00	□	23,00	□	23,00	□	22,70	□
325 x 280	21,55	□	21,55	□	21,55	□	21,25	□
325 x 285	20,05	□	20,05	□	20,05	□	19,80	□
325 x 290	18,55	□	18,55	□	18,55	□	18,30	□
325 x 295	17,00	□	17,00	□	17,00	□	16,75	□
325 x 300	15,40	□	15,40	□	15,40	□	15,40	□
350 x 90	67,75	□	67,75	□	67,75	□	66,85	□
350 x 95	67,30	□	67,30	□	67,30	□	66,40	□
350 x 100	66,80	□	66,80	□	66,80	□	65,95	□
350 x 105	66,30	□	66,30	□	66,30	□	65,45	□
350 x 110	65,75	□	65,75	□	65,75	□	64,90	□
350 x 115	65,20	□	65,20	□	65,20	□	64,35	□
350 x 120	64,60	□	64,60	□	64,60	□	63,75	□
350 x 125	64,00	□	64,00	□	64,00	□	63,15	□
350 x 130	63,35	□	63,35	□	63,35	□	62,50	□
350 x 135	62,65	□	62,65	□	62,65	□	61,85	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
350 x 140	61,95	□	61,95	□	61,95	□	61,15	□
350 x 145	61,25	□	61,25	□	61,25	□	60,45	□
350 x 150	60,50	□	60,50	□	60,50	□	59,70	□
350 x 155	59,70	□	59,70	□	59,70	□	58,95	□
350 x 160	58,90	□	58,90	□	58,90	□	58,15	□
350 x 165	58,05	□	58,05	□	58,05	□	57,30	□
350 x 170	57,20	□	57,20	□	57,20	□	56,45	□
350 x 175	56,30	□	56,30	□	56,30	□	55,55	□
350 x 180	55,40	□	55,40	□	55,40	□	54,65	□
350 x 185	54,45	□	54,45	□	54,45	□	53,75	□
350 x 190	53,45	□	53,45	□	53,45	□	52,75	□
350 x 195	52,45	□	52,45	□	52,45	□	51,80	□
350 x 200	51,45	□	51,45	□	51,45	□	50,75	□
350 x 205	50,40	□	50,40	□	50,40	□	49,70	□
350 x 210	49,30	□	49,30	□	49,30	□	48,65	□
350 x 215	48,20	□	48,20	□	48,20	□	47,55	□
350 x 220	47,05	□	47,05	□	47,05	□	46,45	□
350 x 225	45,90	□	45,90	□	45,90	□	45,30	□
350 x 230	44,70	□	44,70	□	44,70	□	44,10	□
350 x 235	43,45	□	43,45	□	43,45	□	42,90	□
350 x 240	42,20	□	42,20	□	42,20	□	41,65	□
350 x 245	40,95	□	40,95	□	40,95	□	40,40	□
350 x 250	39,65	□	39,65	□	39,65	□	39,15	□
350 x 255	38,30	□	38,30	□	38,30	□	37,80	□
350 x 260	36,95	□	36,95	□	36,95	□	36,50	□
350 x 265	35,55	□	35,55	□	35,55	□	34,45	□
350 x 270	34,15	□	34,15	□	34,15	□	33,70	□
350 x 275	32,70	□	32,70	□	32,70	□	32,30	□
350 x 280	31,25	□	31,25	□	31,25	□	30,85	□
350 x 285	29,75	□	29,75	□	29,75	□	29,40	□
350 x 290	28,25	□	28,25	□	28,25	□	27,85	□
350 x 295	26,70	□	26,70	□	26,70	□	26,35	□
350 x 300	25,10	□	25,10	□	25,10	□	24,80	□
350 x 305	23,50	□	23,50	□	23,50	□	23,20	□
350 x 310	21,90	□	21,90	□	21,90	□	21,60	□
350 x 315	20,20	□	20,20	□	20,20	□	19,95	□
350 x 320	18,55	□	18,55	□	18,55	□	18,30	□
350 x 325	16,85	□	16,85	□	16,85	□	16,60	□
375 x 100	77,55	□	77,55	□	77,55	□	76,55	□
375 x 110	76,50	□	76,50	□	76,50	□	75,50	□
375 x 120	75,35	□	75,35	□	75,35	□	74,35	□
375 x 130	74,10	□	74,10	□	74,10	□	73,15	□
375 x 140	72,70	□	72,70	□	72,70	□	71,75	□
375 x 150	71,25	□	71,25	□	71,25	□	70,30	□
375 x 160	69,65	□	69,65	□	69,65	□	68,75	□
375 x 170	67,95	□	67,95	□	67,95	□	67,05	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
375 x 180	66,15	□	66,15	□	66,15	□	65,25	□
375 x 190	64,20	□	64,20	□	64,20	□	63,40	□
375 x 200	62,00	□	62,00	□	62,00	□	61,35	□
375 x 210	60,05	□	60,05	□	60,05	□	59,25	□
375 x 220	57,80	□	57,80	□	57,80	□	57,05	□
375 x 230	55,45	□	55,45	□	55,45	□	54,70	□
375 x 240	52,95	□	52,95	□	52,95	□	52,30	□
375 x 250	50,40	□	50,40	□	50,40	□	49,75	□
375 x 260	47,70	□	47,70	□	47,70	□	47,10	□
375 x 270	44,90	□	44,90	□	44,90	□	44,35	□
375 x 280	42,00	□	42,00	□	42,00	□	41,45	□
375 x 290	39,00	□	39,00	□	39,00	□	38,50	□
375 x 300	35,85	□	35,85	□	35,85	□	35,40	□
375 x 310	32,65	□	32,65	□	32,65	□	32,20	□
375 x 320	29,30	□	29,30	□	29,30	□	28,90	□
375 x 330	25,85	□	25,85	□	25,85	□	25,50	□
375 x 340	22,25	□	22,25	□	22,25	□	22,00	□
375 x 350	18,60	□	18,60	□	18,60	□	18,35	□
400 x 110	87,55	□	87,55	□	87,55	□	86,40	□
400 x 120	86,40	□	86,40	□	86,40	□	85,30	□
400 x 130	85,15	□	85,15	□	85,15	□	84,05	□
400 x 140	83,75	□	83,75	□	83,75	□	82,70	□
400 x 150	82,30	□	82,30	□	82,30	□	81,20	□
400 x 160	80,70	□	80,70	□	80,70	□	79,65	□
400 x 170	79,00	□	79,00	□	79,00	□	77,95	□
400 x 180	77,20	□	77,20	□	77,20	□	76,20	□
400 x 190	75,25	□	75,25	□	75,25	□	74,30	□
400 x 200	73,25	□	73,25	□	73,25	□	72,30	□
400 x 210	71,10	□	71,10	□	71,10	□	70,20	□
400 x 220	68,85	□	68,85	□	68,85	□	67,95	□
400 x 230	66,50	□	66,50	□	66,50	□	65,65	□
400 x 240	64,05	□	64,05	□	64,05	□	63,20	□
400 x 250	61,45	□	61,45	□	61,45	□	60,65	□
400 x 260	58,75	□	58,75	□	58,75	□	58,00	□
400 x 270	55,95	□	55,95	□	55,95	□	55,25	□
400 x 280	53,05	□	53,05	□	53,05	□	52,35	□
400 x 290	50,05	□	50,05	□	50,05	□	49,40	□
400 x 300	46,90	□	46,90	□	46,90	□	46,30	□
400 x 310	43,70	□	43,70	□	43,70	□	43,10	□
400 x 320	40,35	□	40,35	□	40,35	□	39,80	□
400 x 330	36,90	□	36,90	□	36,90	□	36,40	□
400 x 340	33,35	□	33,35	□	33,35	□	32,90	□
400 x 350	29,65	□	29,65	□	29,65	□	29,25	□
400 x 360	25,85	□	25,85	□	25,85	□	25,55	□
400 x 370	22,00	□	22,00	□	22,00	□	21,70	□
425 x 120	98,90	□	98,90	□	98,90	□	97,65	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
425 x 130	97,65	□	97,65	□	97,65	□	96,40	□
425 x 140	96,30	□	96,30	□	96,30	□	95,05	□
425 x 150	94,85	□	94,85	□	94,85	□	93,60	□
425 x 160	93,25	□	93,25	□	93,25	□	92,05	□
425 x 170	91,60	□	91,60	□	91,60	□	90,40	□
425 x 180	89,80	□	89,80	□	89,80	□	88,60	□
425 x 190	87,85	□	87,85	□	87,85	□	86,75	□
425 x 200	85,85	□	85,85	□	85,85	□	84,75	□
425 x 210	83,75	□	83,75	□	83,75	□	82,65	□
425 x 220	81,50	□	81,50	□	81,50	□	80,45	□
425 x 230	79,15	□	79,15	□	79,15	□	78,15	□
425 x 240	76,70	□	76,70	□	76,70	□	75,70	□
425 x 250	74,15	□	74,15	□	74,15	□	73,20	□
425 x 260	71,45	□	71,45	□	71,45	□	70,55	□
425 x 270	68,70	□	68,70	□	68,70	□	67,80	□
425 x 280	65,80	□	65,80	□	65,80	□	64,95	□
425 x 290	62,80	□	62,80	□	62,80	□	62,00	□
425 x 300	59,70	□	59,70	□	59,70	□	58,90	□
425 x 310	56,45	□	56,45	□	56,45	□	55,75	□
425 x 320	53,15	□	53,15	□	53,15	□	52,45	□
425 x 330	49,70	□	49,70	□	49,70	□	49,05	□
425 x 340	46,15	□	46,15	□	46,15	□	45,55	□
425 x 350	42,50	□	42,50	□	42,50	□	41,95	□
425 x 360	38,70	□	38,70	□	38,70	□	38,20	□
425 x 370	34,85	□	34,85	□	34,85	□	34,40	□
425 x 380	30,85	□	30,85	□	30,85	□	30,45	□
425 x 390	26,75	□	26,75	□	26,75	□	26,40	□
425 x 400	22,55	□	22,55	□	22,55	□	22,25	□
450 x 120	111,10	□	111,10	□	111,10	□	109,70	□
450 x 130	109,80	□	109,80	□	109,80	□	108,40	□
450 x 140	108,50	□	108,50	□	108,50	□	107,10	□
450 x 150	107,00	□	107,00	□	107,00	□	105,60	□
450 x 160	105,40	□	105,40	□	105,40	□	104,10	□
450 x 170	103,80	□	103,80	□	103,80	□	102,40	□
450 x 180	102,00	□	102,00	□	102,00	□	100,60	□
450 x 190	100,10	□	100,10	□	100,10	□	98,75	□
450 x 200	98,05	□	98,05	□	98,05	□	96,75	□
450 x 210	95,90	□	95,90	□	95,90	□	94,65	□
450 x 220	93,70	□	93,70	□	93,70	□	92,45	□
450 x 230	91,35	□	91,35	□	91,35	□	90,15	□
450 x 240	88,90	□	88,90	□	88,90	□	87,75	□
450 x 250	86,30	□	86,30	□	86,30	□	85,20	□
450 x 260	83,65	□	83,65	□	83,65	□	82,55	□
450 x 270	80,85	□	80,85	□	80,85	□	79,80	□
450 x 280	77,95	□	77,95	□	77,95	□	76,95	□
450 x 290	74,95	□	74,95	□	74,95	□	74,00	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
450 x 300	71,85	□	71,85	□	71,85	□	70,95	□
450 x 310	68,65	□	68,65	□	68,65	□	67,75	□
450 x 320	65,30	□	65,30	□	65,30	□	64,45	□
450 x 330	61,85	□	61,85	□	61,85	□	61,05	□
450 x 340	58,30	□	58,30	□	58,30	□	57,55	□
450 x 350	54,65	□	54,65	□	54,65	□	53,95	□
450 x 360	50,90	□	50,90	□	50,90	□	50,25	□
450 x 370	47,00	□	47,00	□	47,00	□	46,40	□
450 x 380	43,05	□	43,05	□	43,05	□	42,45	□
450 x 390	38,95	□	38,95	□	38,95	□	38,45	□
450 x 400	34,75	□	34,75	□	34,75	□	34,30	□
450 x 410	30,40	□	30,40	□	30,40	□	30,00	□
450 x 420	26,00	□	26,00	□	26,00	□	25,65	□
475 x 120	127,00	□	127,00	□	127,00	□	125,30	□
475 x 130	125,70	□	125,70	□	125,70	□	124,10	□
475 x 140	124,30	□	124,30	□	124,30	□	122,80	□
475 x 150	122,90	□	122,90	□	122,90	□	121,30	□
475 x 160	121,30	□	121,30	□	121,30	□	119,70	□
475 x 170	119,60	□	119,60	□	119,60	□	118,10	□
475 x 180	117,80	□	117,80	□	117,80	□	116,30	□
475 x 190	115,90	□	115,90	□	115,90	□	114,40	□
475 x 200	113,80	□	113,80	□	113,80	□	112,40	□
475 x 210	111,70	□	111,70	□	111,70	□	110,30	□
475 x 220	109,50	□	109,50	□	109,50	□	108,10	□
475 x 230	107,10	□	107,10	□	107,10	□	105,80	□
475 x 240	104,70	□	104,70	□	104,70	□	103,30	□
475 x 250	102,10	□	102,10	□	102,10	□	100,80	□
475 x 260	99,40	□	99,40	□	99,40	□	98,15	□
475 x 270	96,60	□	96,60	□	96,60	□	95,35	□
475 x 280	93,70	□	93,70	□	93,70	□	92,50	□
475 x 290	90,70	□	90,70	□	90,70	□	89,55	□
475 x 300	87,55	□	87,55	□	87,55	□	86,45	□
475 x 310	84,35	□	84,35	□	84,35	□	83,25	□
475 x 320	81,00	□	81,00	□	81,00	□	79,95	□
475 x 330	77,55	□	77,55	□	77,55	□	76,55	□
475 x 340	73,95	□	73,95	□	73,95	□	73,05	□
475 x 350	70,30	□	70,30	□	70,30	□	69,40	□
475 x 360	66,50	□	66,50	□	66,50	□	65,70	□
475 x 370	62,60	□	62,60	□	62,60	□	61,85	□
475 x 380	58,60	□	58,60	□	58,60	□	57,90	□
475 x 390	54,50	□	54,50	□	54,50	□	53,80	□
475 x 400	50,30	□	50,30	□	50,30	□	49,65	□
475 x 410	45,95	□	45,95	□	45,95	□	45,40	□
475 x 420	41,50	□	41,50	□	41,50	□	41,00	□
475 x 430	36,95	□	36,95	□	36,95	□	36,50	□
475 x 440	32,30	□	32,30	□	32,30	□	31,90	□

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Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
500 x 200	126,90	□	126,90	□	126,90	□	125,20	□
500 x 210	124,70	□	124,70	□	124,70	□	123,10	□
500 x 220	122,50	□	122,50	□	122,50	□	120,90	□
500 x 230	120,10	□	120,10	□	120,10	□	118,60	□
500 x 240	117,70	□	117,70	□	117,70	□	116,20	□
500 x 250	115,10	□	115,10	□	115,10	□	113,60	□
500 x 260	112,40	□	112,40	□	112,40	□	111,00	□
500 x 270	109,60	□	109,60	□	109,60	□	108,20	□
500 x 280	106,70	□	106,70	□	106,70	□	105,30	□
500 x 290	103,70	□	103,70	□	103,70	□	102,40	□
500 x 300	100,60	□	100,60	□	100,60	□	99,30	□
500 x 310	97,35	□	97,35	□	97,35	□	96,10	□
500 x 320	94,00	□	94,00	□	94,00	□	92,80	□
500 x 330	90,55	□	90,55	□	90,55	□	89,40	□
500 x 340	87,00	□	87,00	□	87,00	□	85,85	□
500 x 350	83,35	□	83,35	□	83,35	□	82,25	□
500 x 360	79,55	□	79,55	□	79,55	□	78,50	□
500 x 370	75,65	□	75,65	□	75,65	□	74,65	□
500 x 380	71,65	□	71,65	□	71,65	□	70,70	□
500 x 390	67,55	□	67,55	□	67,55	□	66,65	□
500 x 400	63,30	□	63,30	□	63,30	□	62,50	□
500 x 410	59,00	□	59,00	□	59,00	□	58,20	□
500 x 420	54,55	□	54,55	□	54,55	□	53,85	□
500 x 430	50,00	□	50,00	□	50,00	□	49,35	□
500 x 440	45,35	□	45,35	□	45,35	□	44,75	□
500 x 450	40,55	□	40,55	□	40,55	□	40,05	□
500 x 460	35,65	□	35,65	□	35,65	□	35,20	□
500 x 470	30,70	□	30,70	□	30,70	□	30,30	□
525 x 270	126,10	□	126,10	□	126,10	□	124,50	□
525 x 280	123,20	□	123,20	□	123,20	□	121,60	□
525 x 290	120,20	□	120,20	□	120,20	□	118,60	□
525 x 300	117,10	□	117,10	□	117,10	□	115,60	□
525 x 310	113,90	□	113,90	□	113,90	□	112,40	□
525 x 320	110,60	□	110,60	□	110,60	□	109,10	□
525 x 330	107,10	□	107,10	□	107,10	□	105,70	□
525 x 340	103,60	□	103,60	□	103,60	□	102,20	□
525 x 350	99,90	□	99,90	□	99,90	□	98,60	□
525 x 360	96,15	□	96,15	□	96,15	□	94,90	□
525 x 370	92,30	□	92,30	□	92,30	□	91,10	□
525 x 380	88,30	□	88,30	□	88,30	□	87,15	□
525 x 390	84,20	□	84,20	□	84,20	□	83,10	□
525 x 400	80,00	□	80,00	□	80,00	□	78,95	□
525 x 410	75,70	□	75,70	□	75,70	□	74,70	□
525 x 420	71,25	□	71,25	□	71,25	□	70,35	□
525 x 430	66,70	□	66,70	□	66,70	□	65,85	□
525 x 440	62,05	□	62,05	□	62,05	□	61,25	□

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Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

## TUBES

Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
525 x 450	57,30	□	57,30	□	57,30	□	56,55	□
525 x 460	52,45	□	52,45	□	52,45	□	51,75	□
525 x 470	47,50	□	47,50	□	47,50	□	46,85	□
525 x 480	42,40	□	42,40	□	42,40	□	41,85	□
525 x 490	37,20	□	37,20	□	37,20	□	36,70	□
550 x 320	126,70	□	126,70	□	126,70	□	125,10	□
550 x 330	123,30	□	123,30	□	123,30	□	121,70	□
550 x 340	119,70	□	119,70	□	119,70	□	118,20	□
550 x 350	116,10	□	116,10	□	116,10	□	114,60	□
550 x 360	112,30	□	112,30	□	112,30	□	110,80	□
550 x 370	108,40	□	108,40	□	108,40	□	107,00	□
550 x 380	104,40	□	104,40	□	104,40	□	103,10	□
550 x 390	100,30	□	100,30	□	100,30	□	99,05	□
550 x 400	96,15	□	96,15	□	96,15	□	94,90	□
550 x 410	91,80	□	91,80	□	91,80	□	90,65	□
550 x 420	87,40	□	87,40	□	87,40	□	86,25	□
550 x 430	82,85	□	82,85	□	82,85	□	81,80	□
550 x 440	78,20	□	78,20	□	78,20	□	77,20	□
550 x 450	73,45	□	73,45	□	73,45	□	72,50	□
550 x 460	68,60	□	68,60	□	68,60	□	67,70	□
550 x 470	63,60	□	63,60	□	63,60	□	62,80	□
550 x 480	58,55	□	58,55	□	58,55	□	57,80	□
550 x 490	53,35	□	53,35	□	53,35	□	52,65	□
550 x 500	48,05	□	48,05	□	48,05	□	47,40	□
550 x 510	42,60	□	42,60	□	42,60	□	42,05	□
550 x 520	37,10	□	37,10	□	37,10	□	36,60	□
575 x 370	124,60	□	124,60	□	124,60	□	123,00	□
575 x 380	120,60	□	120,60	□	120,60	□	119,10	□
575 x 390	116,50	□	116,50	□	116,50	□	115,00	□
575 x 400	112,30	□	112,30	□	112,30	□	110,90	□
575 x 410	108,00	□	108,00	□	108,00	□	106,60	□
575 x 420	103,60	□	103,60	□	103,60	□	102,30	□
575 x 430	99,05	□	99,05	□	99,05	□	97,80	□
575 x 440	94,40	□	94,40	□	94,40	□	93,20	□
575 x 450	89,65	□	89,65	□	89,65	□	88,50	□
575 x 460	84,80	□	84,80	□	84,80	□	83,70	□
575 x 470	79,80	□	79,80	□	79,80	□	78,80	□
575 x 480	74,75	□	74,75	□	74,75	□	73,75	□
575 x 490	69,55	□	69,55	□	69,55	□	68,65	□
575 x 500	64,25	□	64,25	□	64,25	□	63,40	□
575 x 510	58,80	□	58,80	□	58,80	□	58,05	□
575 x 520	53,30	□	53,30	□	53,30	□	52,60	□
575 x 530	47,65	□	47,65	□	47,65	□	47,05	□
575 x 540	41,90	□	41,90	□	41,90	□	41,40	□
600 x 410	125,60	□	125,60	□	125,60	□	123,90	□
600 x 420	121,10	□	121,10	□	121,10	□	119,60	□

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Ertalon®



Polyamide [PA 6] [PA 6 + OIL]

Ertalon® 6 PLA natural/black

Ertalon® 6 XAU+

Ertalon® LFX

TUBES								
Diameters [mm]	Ertalon® 6 PLA natural		Ertalon® 6 PLA black		Ertalon® 6 XAU+		Ertalon® LFX	
	Standard length per piece: [600 mm]							
O.D. x I.D.	[kg/pce]		[kg/pce]		[kg/pce]		[kg/pce]	
600 x 430	116,60	□	116,60	□	116,60	□	115,10	□
600 x 440	111,90	□	111,90	□	111,90	□	110,50	□
600 x 450	105,00	□	105,00	□	105,00	□	105,80	□
600 x 460	102,30	□	102,30	□	102,30	□	101,00	□
600 x 470	97,35	□	97,35	□	97,35	□	96,10	□
600 x 480	92,25	□	92,25	□	92,25	□	91,05	□
600 x 490	86,05	□	86,05	□	86,05	□	85,95	□
600 x 500	81,75	□	81,75	□	81,75	□	80,70	□
600 x 510	76,35	□	76,35	□	76,35	□	75,35	□
600 x 520	70,85	□	70,85	□	70,85	□	69,90	□
600 x 530	65,20	□	65,20	□	65,20	□	64,35	□
600 x 540	59,45	□	59,45	□	59,45	□	58,70	□
600 x 550	53,60	□	53,60	□	53,60	□	52,90	□
600 x 560	47,65	□	47,65	□	47,65	□	47,00	□
600 x 570	41,55	□	41,55	□	41,55	□	41,00	□

Tolerances:

Outer diameter [O.D.] [mm]	Outer diameter [mm]	
	O.D.	I.D.
O.D. ≤ 60	+3,0	-0,8
	+0,8	-4,0 (*)
60 < O.D. ≤ 80	+3,5	-0,8
	+0,8	-4,0 (*)
80 < O.D. ≤ 110	+4,5	-1,8
	+1,2	-6,0 (*)
110 < O.D. ≤ 150	+5,0	-2,0
	+1,5	-7,5 (*)
150 < O.D. ≤ 180	+7,5	-2,2
	+1,8	-8,5 (*)
180 < O.D. ≤ 220	+9,0	-2,5
	+2,0	-9,5 (*)
220 < O.D. ≤ 250	+10,0	-3,0
	+3,0	-11,0 (*)
250 < O.D. ≤ 300	+11,0	-3,5
	+3,0	-13,0 (*)
300 < O.D. ≤ 400	+13,0	-3,5
	+3,0	-15,5 (*)
400 < O.D. ≤ 500	+15,0	-3,5
	+3,0	-18,0 (*)
500 < O.D. ≤ 600	+20,0	-4,5
	+5,0	-20,0 (*)

[\*]: Due to the manufacturing process, the inner diameter [I.D.] at the very ends of the tubes may be somewhat smaller [over a length of 2–10 mm, measured from the edge].

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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
50 x 20	2,21	□	-	-
50 x 25	2,02	□	-	-
56 x 20	2,74	□	-	-
56 x 25	2,56	□	-	-
56 x 30	2,33	□	-	-
56 x 35	2,06	□	-	-
60 x 25	3,00	□	-	-
60 x 30	2,77	□	-	-
60 x 35	2,50	□	-	-
60 x 40	2,19	□	-	-
65 x 25	3,62	□	-	-
65 x 30	3,39	□	-	-
65 x 35	3,12	□	-	-
65 x 40	2,80	□	-	-
65 x 45	2,44	□	-	-
65 x 50	2,03	□	-	-
70 x 25	8,62	□	4,18	□
70 x 30	8,03	□	3,96	□
70 x 35	7,48	□	3,69	□
70 x 40	6,86	□	3,38	□
70 x 45	6,12	□	3,02	□
70 x 50	5,32	□	2,62	□
70 x 55	4,40	□	2,17	□
75 x 25	9,85	□	4,84	□
75 x 30	9,40	□	4,62	□
75 x 35	8,86	□	4,36	□
75 x 40	8,22	□	4,04	□
75 x 45	7,49	□	3,68	□
75 x 50	6,68	□	3,28	□
75 x 55	5,77	□	2,84	□
75 x 60	4,77	□	2,35	□
80 x 25	11,30	□	5,55	□
80 x 30	10,85	□	5,33	□
80 x 35	10,30	□	5,05	□
80 x 40	9,68	□	4,76	□
80 x 45	8,95	□	4,40	□
80 x 50	8,14	□	4,00	□
80 x 55	7,23	□	3,56	□
80 x 60	6,23	□	3,06	□
80 x 65	5,14	□	2,53	□
85 x 25	13,15	□	6,48	□
85 x 30	12,75	□	6,28	□
85 x 35	12,20	□	6,00	□
85 x 40	11,60	□	5,70	□
85 x 45	10,90	□	5,35	□
85 x 50	10,10	□	4,96	□

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▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
85 x 55	9,23	□	4,54	□
85 x 60	8,26	□	4,06	□
85 x 65	7,20	□	3,54	□
85 x 70	6,05	□	2,97	□
90 x 30	14,40	□	7,05	□
90 x 35	13,85	□	6,80	□
90 x 40	13,25	□	6,53	□
90 x 45	12,55	□	6,18	□
90 x 50	11,75	□	5,78	□
90 x 55	10,90	□	5,35	□
90 x 60	9,91	□	4,87	□
90 x 65	8,85	□	4,35	□
90 x 70	7,70	□	3,78	□
90 x 75	6,45	□	3,18	□
95 x 35	15,60	□	7,68	□
95 x 40	15,00	□	7,35	□
95 x 45	14,30	□	7,00	□
95 x 50	13,50	□	6,65	□
95 x 55	12,60	□	6,20	□
95 x 60	11,65	□	5,73	□
95 x 65	10,60	□	5,20	□
95 x 70	9,42	□	4,63	□
95 x 75	8,18	□	4,02	□
95 x 80	6,85	□	3,37	□
100 x 35	17,80	□	8,73	□
100 x 40	17,20	□	8,45	□
100 x 45	16,50	□	8,10	□
100 x 50	15,70	□	7,73	□
100 x 55	14,80	□	7,28	□
100 x 60	13,85	□	6,80	□
100 x 65	12,80	□	6,30	□
100 x 70	11,65	□	5,73	□
100 x 75	10,40	□	5,10	□
100 x 80	9,05	□	4,45	□
100 x 85	7,63	□	3,75	□
105 x 35	19,65	□	9,68	□
105 x 40	19,05	□	9,35	□
105 x 45	18,35	□	9,03	□
105 x 50	17,55	□	8,63	□
105 x 55	16,70	□	8,20	□
105 x 60	15,70	□	7,73	□
105 x 65	14,65	□	7,20	□
105 x 70	13,50	□	6,65	□
105 x 75	12,25	□	6,03	□
105 x 80	10,90	□	5,35	□
105 x 85	9,49	□	4,67	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
105 x 90	7,98	□	3,92	□
110 x 35	21,45	□	10,55	□
110 x 40	20,85	□	10,25	□
110 x 45	20,15	□	9,90	□
110 x 50	19,35	□	9,50	□
110 x 55	18,45	□	9,08	□
110 x 60	17,50	□	8,60	□
110 x 65	16,45	□	8,08	□
110 x 70	15,30	□	7,50	□
110 x 75	14,05	□	6,90	□
110 x 80	12,70	□	6,25	□
110 x 85	11,30	□	5,55	□
110 x 90	9,77	□	4,80	□
110 x 95	8,16	□	4,01	□
115 x 35	23,95	□	11,80	□
115 x 40	23,35	□	11,50	□
115 x 45	22,65	□	11,15	□
115 x 50	21,90	□	10,75	□
115 x 55	21,00	□	10,35	□
115 x 60	20,05	□	9,88	□
115 x 65	19,00	□	9,35	□
115 x 70	17,90	□	8,78	□
115 x 75	16,65	□	8,20	□
115 x 80	15,35	□	7,55	□
115 x 85	13,95	□	6,85	□
115 x 90	12,45	□	6,13	□
115 x 95	10,85	□	5,33	□
115 x 100	9,17	□	4,51	□
120 x 40	25,30	□	12,45	□
120 x 45	24,60	□	12,10	□
120 x 50	23,85	□	11,75	□
120 x 55	23,00	□	11,30	□
120 x 60	22,00	□	10,85	□
120 x 65	21,00	□	10,35	□
120 x 70	19,85	□	9,75	□
120 x 75	18,60	□	9,15	□
120 x 80	17,30	□	8,50	□
120 x 85	15,90	□	7,80	□
120 x 90	14,40	□	7,08	□
120 x 95	12,80	□	6,30	□
120 x 100	11,10	□	5,48	□
120 x 105	9,35	□	4,60	□
125 x 40	28,40	□	14,00	□
125 x 45	27,70	□	13,65	□
125 x 50	26,95	□	13,25	□
125 x 55	26,10	□	12,80	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
125 x 60	25,15	□	12,35	□
125 x 65	24,10	□	11,85	□
125 x 70	22,95	□	11,30	□
125 x 75	21,70	□	10,70	□
125 x 80	20,40	□	10,05	□
125 x 85	19,00	□	9,33	□
125 x 90	17,50	□	8,60	□
125 x 95	15,90	□	7,83	□
125 x 100	14,25	□	6,98	□
125 x 105	12,45	□	6,13	□
125 x 110	10,60	□	5,20	□
130 x 40	30,80	□	15,15	□
130 x 45	30,10	□	14,80	□
130 x 50	29,30	□	14,40	□
130 x 55	28,45	□	14,00	□
130 x 60	27,50	□	13,55	□
130 x 65	26,45	□	13,00	□
130 x 70	25,20	□	12,45	□
130 x 75	24,10	□	11,85	□
130 x 80	22,80	□	11,20	□
130 x 85	21,40	□	10,50	□
130 x 90	19,90	□	9,78	□
130 x 95	18,30	□	8,98	□
130 x 100	16,60	□	8,18	□
130 x 105	14,85	□	7,30	□
130 x 110	13,00	□	6,40	□
130 x 115	11,05	□	5,43	□
135 x 45	32,25	□	15,85	□
135 x 50	31,45	□	15,50	□
135 x 55	30,60	□	15,05	□
135 x 60	29,65	□	14,55	□
135 x 65	28,60	□	14,10	□
135 x 70	27,45	□	13,50	□
135 x 75	26,25	□	12,90	□
135 x 80	24,90	□	12,25	□
135 x 85	23,50	□	11,55	□
135 x 90	22,00	□	10,80	□
135 x 95	20,45	□	10,05	□
135 x 100	37,50	□	9,20	□
135 x 105	17,00	□	8,35	□
135 x 110	15,10	□	7,43	□
135 x 115	13,15	□	6,48	□
135 x 120	11,10	□	5,48	□
140 x 45	34,80	□	17,10	□
140 x 50	34,00	□	16,70	□
140 x 55	33,15	□	16,30	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
140 x 60	32,20	□	15,85	□
140 x 65	31,15	□	15,30	□
140 x 70	30,00	□	14,75	□
140 x 75	28,80	□	14,15	□
140 x 80	27,45	□	13,50	□
140 x 85	26,05	□	12,80	□
140 x 90	24,55	□	12,10	□
140 x 95	22,95	□	11,30	□
140 x 100	21,30	□	10,45	□
140 x 105	19,50	□	9,60	□
140 x 110	17,65	□	8,68	□
140 x 115	15,70	□	7,73	□
140 x 120	13,65	□	6,70	□
140 x 125	11,55	□	5,68	□
150 x 55	39,85	□	19,60	□
150 x 60	38,90	□	19,15	□
150 x 65	37,85	□	18,60	□
150 x 70	36,75	□	18,05	□
150 x 75	35,50	□	17,45	□
150 x 80	34,20	□	16,80	□
150 x 85	32,80	□	16,15	□
150 x 90	31,30	□	15,40	□
150 x 95	29,70	□	14,60	□
150 x 100	28,00	□	13,80	□
150 x 105	26,25	□	12,90	□
150 x 110	24,40	□	12,00	□
150 x 115	22,45	□	11,05	□
150 x 120	20,40	□	10,05	□
150 x 125	18,25	□	8,98	□
150 x 130	16,05	□	7,90	□
150 x 135	13,75	□	6,75	□
155 x 65	39,90	□	19,60	□
155 x 70	38,80	□	19,05	□
155 x 75	37,60	□	18,45	□
155 x 80	36,30	□	17,80	□
155 x 85	34,90	□	17,10	□
155 x 90	33,40	□	16,40	□
155 x 95	31,80	□	15,65	□
155 x 100	30,20	□	14,80	□
155 x 105	28,40	□	13,95	□
155 x 110	26,60	□	13,05	□
155 x 115	24,60	□	12,10	□
155 x 120	22,60	□	11,10	□
155 x 125	20,50	□	10,05	□
160 x 80	39,40	□	19,35	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [2000 mm]		Standard length per piece: [1000 mm]	
	[kg/pce]		[kg/pce]	
160 x 85	38,00	□	18,65	□
160 x 90	36,50	□	17,90	□
160 x 95	34,90	□	17,15	□
160 x 100	33,20	□	16,35	□
160 x 105	31,50	□	15,45	□
160 x 110	29,60	□	14,55	□
160 x 115	27,70	□	13,60	□
160 x 120	25,70	□	12,65	□
160 x 125	23,60	□	11,60	□
160 x 130	21,40	□	10,50	□
170 x 100	39,60	□	19,45	□
170 x 105	37,80	□	18,60	□
170 x 110	36,00	□	17,65	□
170 x 115	34,00	□	16,75	□
170 x 120	32,00	□	15,75	□
170 x 125	29,90	□	14,70	□
170 x 130	27,70	□	13,60	□
170 x 135	25,40	□	12,50	□
170 x 140	23,00	□	11,30	■
170 x 145	20,50	□	10,05	□
180 x 120	38,90	□	19,10	□
180 x 125	36,80	□	18,05	□
180 x 130	34,60	□	17,00	□
180 x 135	32,30	□	15,85	□
180 x 140	29,90	□	14,70	□
180 x 145	27,40	□	13,45	□
180 x 150	24,90	□	12,20	□
180 x 155	22,20	□	10,90	□
190 x 135	39,80	□	19,55	□
190 x 140	37,40	□	18,40	□
190 x 145	35,00	□	17,15	□
190 x 150	32,40	□	15,95	□
190 x 155	29,80	□	14,60	□
190 x 160	27,00	□	13,30	□
190 x 165	24,20	□	11,90	□
190 x 170	21,30	□	10,45	□
200 x 150	39,80	□	19,55	□
200 x 155	37,20	□	18,25	□
200 x 160	34,40	□	16,95	□
200 x 165	31,60	□	15,55	□
200 x 170	28,70	□	14,10	□
200 x 175	25,70	□	12,65	□
200 x 180	22,60	□	11,10	□

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
155 x 50	21,35	□	-	-
155 x 55	20,95	□	-	-
155 x 60	20,45	□	-	-
155 x 65	19,95	□	19,60	□
155 x 70	19,40	□	19,05	□
155 x 75	18,80	□	18,45	□
155 x 80	18,15	□	17,80	□
155 x 85	17,45	□	17,10	□
155 x 90	16,70	□	16,40	□
155 x 95	15,90	□	15,65	□
155 x 100	15,10	□	14,80	□
155 x 105	14,20	□	13,95	□
155 x 110	13,30	□	13,05	□
155 x 115	12,30	□	12,10	□
155 x 120	11,30	□	11,10	□
155 x 125	10,25	□	10,05	□
155 x 130	9,14	□	8,98	□
155 x 135	7,99	□	7,85	□
160 x 50	22,90	□	-	-
160 x 55	22,50	□	-	-
160 x 60	22,00	□	-	-
160 x 65	21,50	□	-	-
160 x 70	20,95	□	-	-
160 x 75	20,35	□	-	-
160 x 80	19,70	□	19,35	□
160 x 85	19,00	□	18,65	□
160 x 90	18,25	□	17,90	□
160 x 95	17,45	□	17,15	□
160 x 100	16,60	□	16,35	□
160 x 105	15,75	□	15,45	□
160 x 110	14,80	□	14,55	□
160 x 115	13,85	□	13,60	□
160 x 120	12,85	□	12,65	□
160 x 125	11,80	□	11,60	□
160 x 130	10,70	□	10,50	□
160 x 135	9,53	□	9,37	□
160 x 140	8,34	□	8,19	□
170 x 50	26,05	□	-	-
170 x 55	25,65	□	-	-
170 x 60	25,20	□	-	-
170 x 65	24,65	□	-	-
170 x 70	24,10	□	-	-
170 x 75	23,50	□	-	-
170 x 80	22,85	□	-	-
170 x 85	22,15	□	-	-
170 x 90	21,40	□	-	-

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
170 x 95	20,60	□	–	–
170 x 100	19,80	□	19,45	□
170 x 105	18,90	□	18,60	□
170 x 110	18,00	□	17,65	□
170 x 115	17,00	□	16,75	□
170 x 120	16,00	□	15,75	□
170 x 125	14,95	□	14,70	□
170 x 130	13,85	□	13,60	□
170 x 135	12,70	□	12,50	□
170 x 140	11,50	□	11,30	□
170 x 145	10,25	□	10,05	□
170 x 150	8,98	□	8,83	□
180 x 60	28,60	□	–	–
180 x 65	28,10	□	–	–
180 x 70	27,55	□	–	–
180 x 75	26,95	□	–	–
180 x 80	26,30	□	–	–
180 x 85	25,60	□	–	–
180 x 90	24,85	□	–	–
180 x 95	24,05	□	–	–
180 x 100	23,25	□	–	–
180 x 105	22,35	□	–	–
180 x 110	21,45	□	–	–
180 x 115	20,45	□	–	–
180 x 120	19,45	□	19,10	□
180 x 125	18,40	□	18,05	□
180 x 130	17,30	□	17,00	□
180 x 135	16,15	□	15,85	□
180 x 140	14,95	□	14,70	□
180 x 145	13,70	□	13,45	□
180 x 150	12,45	□	12,20	□
180 x 155	11,10	□	10,90	□
180 x 160	9,72	□	9,55	□
190 x 65	31,80	□	–	–
190 x 70	31,25	□	–	–
190 x 75	30,65	□	–	–
190 x 80	30,00	□	–	–
190 x 85	29,30	□	–	–
190 x 90	28,55	□	–	–
190 x 95	27,80	□	–	–
190 x 100	26,95	□	–	–
190 x 105	26,10	□	–	–
190 x 110	25,15	□	–	–
190 x 115	24,20	□	–	–
190 x 120	23,20	□	–	–
190 x 125	22,15	□	–	–

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

TUBES				
Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
190 x 130	21,05	□	–	–
190 x 135	19,90	□	19,55	□
190 x 140	18,70	□	18,40	□
190 x 145	17,50	□	17,15	□
190 x 150	16,20	□	15,95	□
190 x 155	14,90	□	14,60	□
190 x 160	13,50	□	13,30	□
190 x 165	12,10	□	11,90	□
190 x 170	10,65	□	10,45	□
200 x 70	34,95	□	–	–
200 x 75	34,35	□	–	–
200 x 80	33,70	□	–	–
200 x 85	33,00	□	–	–
200 x 90	32,25	□	–	–
200 x 95	31,50	□	–	–
200 x 100	30,65	□	–	–
200 x 105	29,80	□	–	–
200 x 110	28,85	□	–	–
200 x 115	27,90	□	–	–
200 x 120	26,90	□	–	–
200 x 125	25,85	□	–	–
200 x 130	24,75	□	–	–
200 x 135	23,60	□	–	–
200 x 140	22,40	□	–	–
200 x 145	21,20	□	–	–
200 x 150	19,90	□	19,55	□
200 x 155	18,60	□	18,25	□
200 x 160	17,20	□	16,95	□
200 x 165	15,80	□	15,55	□
200 x 170	14,35	□	14,10	□
200 x 175	12,85	□	12,65	□
200 x 180	11,30	□	11,10	□
210 x 70	38,90	□	–	–
210 x 75	38,30	□	–	–
210 x 80	37,65	□	–	–
210 x 85	36,95	□	–	–
210 x 90	36,20	□	–	–
210 x 95	35,45	□	–	–
210 x 100	34,60	□	–	–
210 x 105	33,75	□	–	–
210 x 110	32,80	□	–	–
210 x 115	31,85	□	–	–
210 x 120	30,85	□	–	–
210 x 125	29,80	□	–	–
210 x 130	28,70	□	–	–
210 x 135	27,55	□	–	–

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
210 x 140	26,35	□	-	-
210 x 145	25,15	□	-	-
210 x 150	23,85	□	-	-
210 x 155	22,55	□	-	-
210 x 160	21,15	□	-	-
210 x 165	19,75	□	19,40	□
210 x 170	18,30	□	17,95	□
210 x 175	16,80	□	16,50	□
210 x 180	15,25	□	15,00	□
210 x 185	13,65	□	13,40	□
210 x 190	12,00	□	11,80	□
220 x 95	40,15	□	-	-
220 x 100	39,35	□	-	-
220 x 105	38,50	□	-	-
220 x 110	37,55	□	-	-
220 x 115	36,60	□	-	-
220 x 120	35,60	□	-	-
220 x 125	34,55	□	-	-
220 x 130	33,45	□	-	-
220 x 135	32,30	□	-	-
220 x 140	31,10	□	-	-
220 x 145	29,90	□	-	-
220 x 150	28,60	□	-	-
220 x 155	27,30	□	-	-
220 x 160	25,90	□	-	-
220 x 165	24,50	□	-	-
220 x 170	23,05	□	-	-
220 x 175	21,55	□	-	-
220 x 180	20,00	□	19,65	□
220 x 185	18,40	□	18,05	□
220 x 190	16,75	□	16,50	□
220 x 195	15,05	□	14,80	□
220 x 200	13,35	□	13,15	□
225 x 110	39,85	□	-	-
225 x 115	38,90	□	-	-
225 x 120	37,90	□	-	-
225 x 125	36,85	□	-	-
225 x 130	35,80	□	-	-
225 x 135	34,65	□	-	-
225 x 140	33,45	□	-	-
225 x 145	32,25	□	-	-
225 x 150	31,00	□	-	-
225 x 155	29,65	□	-	-
225 x 160	28,30	□	-	-
225 x 165	26,90	□	-	-
225 x 170	25,45	□	-	-

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
225 x 175	23,95	□	-	-
225 x 180	22,40	□	-	-
225 x 185	20,85	□	-	-
225 x 190	19,20	□	18,85	□
225 x 195	17,55	□	17,20	□
225 x 200	15,80	□	15,55	□
225 x 205	14,05	□	13,80	□
230 x 120	40,10	□	-	-
230 x 125	39,05	□	-	-
230 x 130	38,00	□	-	-
230 x 135	36,85	□	-	-
230 x 140	35,65	□	-	-
230 x 145	34,45	□	-	-
230 x 150	33,20	□	-	-
230 x 155	31,85	□	-	-
230 x 160	30,50	□	-	-
230 x 165	29,10	□	-	-
230 x 170	27,65	□	-	-
230 x 175	26,15	□	-	-
230 x 180	24,60	□	-	-
230 x 185	23,05	□	-	-
230 x 190	21,40	□	-	-
230 x 195	19,75	□	19,40	□
230 x 200	18,00	□	17,70	□
230 x 205	16,25	□	15,95	□
230 x 210	14,45	□	14,15	□
240 x 140	40,10	□	-	-
240 x 145	38,85	□	-	-
240 x 150	37,60	□	-	-
240 x 155	36,25	□	-	-
240 x 160	34,90	□	-	-
240 x 165	33,50	□	-	-
240 x 170	32,05	□	-	-
240 x 175	30,55	□	-	-
240 x 180	29,05	□	-	-
240 x 185	27,45	□	-	-
240 x 190	25,80	□	-	-
240 x 195	24,15	□	-	-
240 x 200	22,40	□	-	-
240 x 205	20,65	□	-	-
240 x 210	18,85	□	18,50	□
240 x 215	17,00	□	16,70	□
240 x 220	15,10	□	14,80	□
250 x 160	39,55	□	-	-
250 x 165	38,15	□	-	-
250 x 170	36,70	□	-	-

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]



Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [1000 mm]			
	[kg/pce]		[kg/pce]	
250 x 175	35,20	□	–	–
250 x 180	33,65	□	–	–
250 x 185	32,05	□	–	–
250 x 190	30,45	□	–	–
250 x 195	28,75	□	–	–
250 x 200	27,05	□	–	–
250 x 205	25,30	□	–	–
250 x 210	23,45	□	–	–
250 x 215	21,60	□	–	–
250 x 220	19,70	□	19,40	□
250 x 225	17,75	□	17,45	□
250 x 230	15,80	□	15,50	□
260 x 175	40,55	□	–	–
260 x 180	39,00	□	–	–
260 x 185	37,45	□	–	–
260 x 190	35,85	□	–	–
260 x 195	34,15	□	–	–
260 x 200	32,45	□	–	–
260 x 205	30,70	□	–	–
260 x 210	28,90	□	–	–
260 x 215	27,05	□	–	–
260 x 220	25,15	□	–	–
260 x 225	23,25	□	–	–
260 x 230	21,25	□	–	–
260 x 235	19,25	□	18,90	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
220 x 70	26,55	□	-	-
220 x 75	26,15	□	-	-
220 x 80	25,80	□	-	-
220 x 85	25,35	□	-	-
220 x 90	24,90	□	-	-
225 x 70	27,90	□	-	-
225 x 75	27,55	□	-	-
225 x 80	27,15	□	-	-
225 x 85	26,75	□	-	-
225 x 90	26,30	□	-	-
225 x 95	25,80	□	-	-
225 x 100	25,35	□	-	-
225 x 105	24,80	□	-	-
230 x 70	29,25	□	-	-
230 x 75	28,85	□	-	-
230 x 80	28,50	□	-	-
230 x 85	28,05	□	-	-
230 x 90	27,65	□	-	-
230 x 95	27,15	□	-	-
230 x 100	26,65	□	-	-
230 x 105	26,15	□	-	-
230 x 110	25,60	□	-	-
230 x 115	25,00	□	-	-
240 x 70	31,90	□	-	-
240 x 75	31,55	□	-	-
240 x 80	31,15	□	-	-
240 x 85	30,75	□	-	-
240 x 90	30,30	□	-	-
240 x 95	29,85	□	-	-
240 x 100	29,35	□	-	-
240 x 105	28,80	□	-	-
240 x 110	28,25	□	-	-
240 x 115	27,70	□	-	-
240 x 120	27,10	□	-	-
240 x 125	26,45	□	-	-
240 x 130	25,80	□	-	-
240 x 135	25,10	□	-	-
250 x 70	34,75	□	-	-
250 x 75	34,35	□	-	-
250 x 80	34,00	□	-	-
250 x 85	33,55	□	-	-
250 x 90	33,15	□	-	-
250 x 95	32,65	□	-	-
250 x 100	32,15	□	-	-
250 x 105	31,65	□	-	-
250 x 110	31,10	□	-	-

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
250 x 115	30,50	□	-	-
250 x 120	29,90	□	-	-
250 x 125	29,25	□	-	-
250 x 130	28,60	□	-	-
250 x 135	27,90	□	-	-
250 x 140	27,20	□	-	-
250 x 145	26,45	□	-	-
250 x 150	25,70	□	-	-
250 x 155	24,90	□	-	-
260 x 70	37,85	□	-	-
260 x 75	37,50	□	-	-
260 x 80	37,10	□	-	-
260 x 85	36,70	□	-	-
260 x 90	36,25	□	-	-
260 x 95	35,80	□	-	-
260 x 100	35,30	□	-	-
260 x 105	34,80	□	-	-
260 x 110	34,25	□	-	-
260 x 115	33,70	□	-	-
260 x 120	33,10	□	-	-
260 x 125	32,45	□	-	-
260 x 130	31,80	□	-	-
260 x 135	31,10	□	-	-
260 x 140	30,40	□	-	-
260 x 145	29,65	□	-	-
260 x 150	28,90	□	-	-
260 x 155	28,10	□	-	-
260 x 160	27,30	□	-	-
260 x 165	26,45	□	-	-
260 x 170	25,55	□	-	-
270 x 70	40,80	□	-	-
270 x 75	40,45	□	-	-
270 x 80	40,05	□	-	-
270 x 85	39,65	□	-	-
270 x 90	39,25	□	-	-
270 x 95	38,75	□	-	-
270 x 100	38,30	□	-	-
270 x 105	37,75	□	-	-
270 x 110	37,20	□	-	-
270 x 115	36,65	□	-	-
270 x 120	36,05	□	-	-
270 x 125	35,40	□	-	-
270 x 130	34,75	□	-	-
270 x 135	34,10	□	-	-
270 x 140	33,35	□	-	-
270 x 145	32,65	□	-	-

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
270 x 150	31,85	□	-	-
270 x 155	31,05	□	-	-
270 x 160	30,25	□	-	-
270 x 165	29,40	□	-	-
270 x 170	28,55	□	-	-
270 x 175	27,65	□	-	-
270 x 180	26,70	□	-	-
270 x 185	25,75	□	-	-
270 x 190	24,75	□	-	-
270 x 195	23,75	□	-	-
270 x 200	22,70	□	-	-
270 x 205	21,65	□	-	-
270 x 210	20,55	□	-	-
270 x 215	19,40	□	19,10	□
270 x 220	18,25	□	17,95	□
270 x 225	17,10	□	16,80	□
270 x 230	15,90	□	15,60	□
270 x 235	14,65	□	14,40	□
270 x 240	13,40	□	13,20	□
270 x 245	12,10	□	11,90	□
275 x 70	42,75	□	-	-
275 x 75	42,40	□	-	-
275 x 80	42,00	□	-	-
275 x 85	41,60	□	-	-
275 x 90	41,20	□	-	-
275 x 95	40,70	□	-	-
275 x 100	40,20	□	-	-
275 x 105	39,70	□	-	-
275 x 110	39,15	□	-	-
275 x 115	38,60	□	-	-
275 x 120	38,00	□	-	-
275 x 125	37,35	□	-	-
275 x 130	36,70	□	-	-
275 x 135	36,00	□	-	-
275 x 140	35,30	□	-	-
275 x 145	34,60	□	-	-
275 x 150	33,80	□	-	-
275 x 155	33,00	□	-	-
275 x 160	32,20	□	-	-
275 x 165	31,35	□	-	-
275 x 170	30,50	□	-	-
275 x 175	29,60	□	-	-
275 x 180	28,65	□	-	-
275 x 185	27,70	□	-	-
275 x 190	26,70	□	-	-
275 x 195	25,70	□	-	-

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
275 x 200	24,65	□	-	-
275 x 205	23,60	□	-	-
275 x 210	22,50	□	-	-
275 x 215	21,35	□	-	-
275 x 220	20,20	□	19,90	□
275 x 225	19,05	□	18,70	□
275 x 230	17,85	□	17,50	□
275 x 235	16,60	□	16,35	□
275 x 240	15,35	□	15,10	□
275 x 245	14,05	□	13,80	□
275 x 250	12,75	□	12,55	□
280 x 70	44,15	□	-	-
280 x 75	43,80	□	-	-
280 x 80	43,40	□	-	-
280 x 85	43,00	□	-	-
280 x 90	42,55	□	-	-
280 x 95	42,10	□	-	-
280 x 100	41,60	□	-	-
280 x 105	41,10	□	-	-
280 x 110	40,55	□	-	-
280 x 115	40,00	□	-	-
280 x 120	39,40	□	-	-
280 x 125	38,75	□	-	-
280 x 130	38,10	□	-	-
280 x 135	37,40	□	-	-
280 x 140	36,70	□	-	-
280 x 145	35,95	□	-	-
280 x 150	35,20	□	-	-
280 x 155	34,40	□	-	-
280 x 160	33,60	□	-	-
280 x 165	32,75	□	-	-
280 x 170	31,85	□	-	-
280 x 175	30,95	□	-	-
280 x 180	30,05	□	-	-
280 x 185	29,10	□	-	-
280 x 190	28,10	□	-	-
280 x 195	27,10	□	-	-
280 x 200	26,05	□	-	-
280 x 205	25,00	□	-	-
280 x 210	23,90	□	-	-
280 x 215	22,75	□	-	-
280 x 220	21,60	□	-	-
280 x 225	20,45	□	-	-
280 x 230	19,25	□	18,90	□
280 x 235	18,00	□	17,65	□
280 x 240	16,70	□	16,45	□

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

TUBES				
Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
280 x 245	15,45	□	15,20	□
280 x 250	14,15	□	13,85	□
280 x 255	12,80	□	12,60	□
290 x 70	47,30	□	-	-
290 x 75	46,95	□	-	-
290 x 80	46,55	□	-	-
290 x 85	46,15	□	-	-
290 x 90	45,70	□	-	-
290 x 95	45,25	□	-	-
290 x 100	44,75	□	-	-
290 x 105	44,25	□	-	-
290 x 110	43,70	□	-	-
290 x 115	43,10	□	-	-
290 x 120	42,50	□	-	-
290 x 125	41,90	□	-	-
290 x 130	41,25	□	-	-
290 x 135	40,55	□	-	-
290 x 140	39,85	□	-	-
290 x 145	39,10	□	-	-
290 x 150	38,35	□	-	-
290 x 155	37,55	□	-	-
290 x 160	36,75	□	-	-
290 x 165	35,90	□	-	-
290 x 170	35,00	□	-	-
290 x 175	34,10	□	-	-
290 x 180	33,15	□	-	-
290 x 185	32,20	□	-	-
290 x 190	31,25	□	-	-
290 x 195	30,20	□	-	-
290 x 200	29,20	□	-	-
290 x 205	28,10	□	-	-
290 x 210	27,00	□	-	-
290 x 215	25,90	□	-	-
290 x 220	24,75	□	-	-
290 x 225	23,55	□	-	-
290 x 230	22,35	□	-	-
290 x 235	21,15	□	-	-
290 x 240	19,85	□	19,55	□
290 x 245	18,60	□	18,25	□
290 x 250	17,25	□	17,00	□
290 x 255	15,95	□	15,65	□
290 x 260	14,55	□	14,30	□
290 x 265	13,15	□	12,95	□
300 x 80	50,00	□	-	-
300 x 85	49,55	□	-	-
300 x 90	49,15	□	-	-

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
300 x 95	48,65	□	–	–
300 x 100	48,20	□	–	–
300 x 105	47,65	□	–	–
300 x 110	47,10	□	–	–
300 x 115	46,55	□	–	–
300 x 120	45,95	□	–	–
300 x 125	45,30	□	–	–
300 x 130	44,65	□	–	–
300 x 135	44,00	□	–	–
300 x 140	43,30	□	–	–
300 x 145	42,55	□	–	–
300 x 150	41,75	□	–	–
300 x 155	41,00	□	–	–
300 x 160	40,15	□	–	–
300 x 165	39,30	□	–	–
300 x 170	38,45	□	–	–
300 x 175	37,55	□	–	–
300 x 180	36,60	□	–	–
300 x 185	35,65	□	–	–
300 x 190	34,65	□	–	–
300 x 195	33,65	□	–	–
300 x 200	32,60	□	–	–
300 x 205	31,55	□	–	–
300 x 210	30,45	□	–	–
300 x 215	29,35	□	–	–
300 x 220	28,20	□	–	–
300 x 225	27,00	□	–	–
300 x 230	25,80	□	–	–
300 x 235	24,55	□	–	–
300 x 240	23,30	□	–	–
300 x 245	22,00	□	–	–
300 x 250	20,70	□	–	–
300 x 255	19,35	□	19,05	□
300 x 260	18,00	□	17,65	□
300 x 265	16,60	□	16,30	□
300 x 270	15,15	□	14,90	□
300 x 275	13,70	□	13,45	□
325 x 80	59,10	□	–	–
325 x 85	58,70	□	–	–
325 x 90	58,30	□	–	–
325 x 95	57,80	□	–	–
325 x 100	57,35	□	–	–
325 x 105	56,85	□	–	–
325 x 110	56,30	□	–	–
325 x 115	55,75	□	–	–
325 x 120	55,15	□	–	–

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning, minimum order quantity 1 piece]

Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
325 x 125	54,50	□	-	-
325 x 130	53,85	□	-	-
325 x 135	53,20	□	-	-
325 x 140	52,50	□	-	-
325 x 145	51,75	□	-	-
325 x 150	51,00	□	-	-
325 x 155	50,20	□	-	-
325 x 160	49,40	□	-	-
325 x 165	48,55	□	-	-
325 x 170	47,70	□	-	-
325 x 175	46,80	□	-	-
325 x 180	45,90	□	-	-
325 x 185	44,95	□	-	-
325 x 190	43,95	□	-	-
325 x 195	42,95	□	-	-
325 x 200	41,90	□	-	-
325 x 205	40,85	□	-	-
325 x 210	39,75	□	-	-
325 x 215	38,65	□	-	-
325 x 220	37,50	□	-	-
325 x 225	36,35	□	-	-
325 x 230	35,15	□	-	-
325 x 235	33,90	□	-	-
325 x 240	32,65	□	-	-
325 x 245	31,40	□	-	-
325 x 250	30,05	□	-	-
325 x 255	28,75	□	-	-
325 x 260	27,35	□	-	-
325 x 265	26,00	□	-	-
325 x 270	24,55	□	-	-
325 x 275	23,10	□	-	-
325 x 280	21,65	□	-	-
325 x 285	20,15	□	19,80	□
325 x 290	18,60	□	18,30	□
325 x 295	17,05	□	16,80	□
325 x 300	15,50	□	15,20	□
350 x 90	68,05	□	-	-
350 x 95	67,55	□	-	-
350 x 100	67,10	□	-	-
350 x 105	66,60	□	-	-
350 x 110	66,05	□	-	-
350 x 115	65,45	□	-	-
350 x 120	64,90	□	-	-
350 x 125	64,25	□	-	-
350 x 130	63,60	□	-	-
350 x 135	62,95	□	-	-

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
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Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM

Nylatron® NSM

TUBES				
Diameters [mm]	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
O.D. x I.D.	[kg/pce]		[kg/pce]	
350 x 140	62,25	□	–	–
350 x 145	61,50	□	–	–
350 x 150	60,75	□	–	–
350 x 155	59,95	□	–	–
350 x 160	59,15	□	–	–
350 x 165	58,30	□	–	–
350 x 170	57,45	□	–	–
350 x 175	56,55	□	–	–
350 x 180	55,60	□	–	–
350 x 185	54,65	□	–	–
350 x 190	53,70	□	–	–
350 x 195	52,70	□	–	–
350 x 200	51,65	□	–	–
350 x 205	50,60	□	–	–
350 x 210	49,50	□	–	–
350 x 215	48,40	□	–	–
350 x 220	47,25	□	–	–
350 x 225	46,10	□	–	–
350 x 230	44,90	□	–	–
350 x 235	43,65	□	–	–
350 x 240	42,40	□	–	–
350 x 245	41,10	□	–	–
350 x 250	39,80	□	–	–
350 x 255	38,50	□	–	–
350 x 260	37,10	□	–	–
350 x 265	35,75	□	–	–
350 x 270	34,30	□	–	–
350 x 275	32,85	□	–	–
350 x 280	31,40	□	–	–
350 x 285	29,90	□	–	–
350 x 290	28,35	□	–	–
350 x 295	26,80	□	–	–
350 x 300	25,25	□	–	–
350 x 305	23,60	□	–	–
350 x 310	22,00	□	–	–
350 x 315	20,30	□	19,95	□
350 x 320	18,60	□	18,30	□
350 x 325	16,90	□	16,65	□
375 x 100	77,90	□	–	–
375 x 110	76,85	□	–	–
375 x 120	75,70	□	–	–
375 x 130	74,40	□	–	–
375 x 140	73,05	□	–	–
375 x 150	71,55	□	–	–
375 x 160	69,95	□	–	–
375 x 170	68,25	□	–	–

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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
375 x 180	66,40	□	–	–
375 x 190	64,50	□	–	–
375 x 200	62,45	□	–	–
375 x 210	60,30	□	–	–
375 x 220	58,05	□	–	–
375 x 230	55,70	□	–	–
375 x 240	53,20	□	–	–
375 x 250	50,60	□	–	–
375 x 260	47,90	□	–	–
375 x 270	45,10	□	–	–
375 x 280	42,20	□	–	–
375 x 290	39,15	□	–	–
375 x 300	36,00	□	–	–
375 x 310	32,75	□	–	–
375 x 320	29,40	□	–	–
375 x 330	25,95	□	–	–
375 x 340	22,35	□	–	–
375 x 350	18,70	□	18,35	□
400 x 110	87,95	□	–	–
400 x 120	86,80	□	–	–
400 x 130	85,50	□	–	–
400 x 140	84,15	□	–	–
400 x 150	82,65	□	–	–
400 x 160	81,05	□	–	–
400 x 170	79,35	□	–	–
400 x 180	77,50	□	–	–
400 x 190	75,60	□	–	–
400 x 200	73,55	□	–	–
400 x 210	71,40	□	–	–
400 x 220	69,15	□	–	–
400 x 230	66,80	□	–	–
400 x 240	64,30	□	–	–
400 x 250	61,70	□	–	–
400 x 260	59,00	□	–	–
400 x 270	56,20	□	–	–
400 x 280	53,30	□	–	–
400 x 290	50,25	□	–	–
400 x 300	47,10	□	–	–
400 x 310	43,90	□	–	–
400 x 320	40,50	□	–	–
400 x 330	37,05	□	–	–
400 x 340	33,45	□	–	–
400 x 350	29,80	□	–	–
400 x 360	26,00	□	–	–
400 x 370	22,10	□	–	–
425 x 120	99,35	□	–	–

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Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm]	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
O.D. x I.D.	[kg/pce]		[kg/pce]	
425 x 130	98,10	□	96,40	□
425 x 140	96,70	□	95,05	□
425 x 150	95,25	□	93,60	□
425 x 160	93,65	□	92,05	□
425 x 170	91,95	□	90,40	□
425 x 180	90,15	□	88,65	□
425 x 190	88,25	□	86,70	□
425 x 200	86,25	□	84,75	□
425 x 210	84,10	□	82,65	□
425 x 220	81,85	□	80,45	□
425 x 230	79,50	□	78,10	□
425 x 240	77,05	□	75,70	□
425 x 250	74,45	□	73,20	□
425 x 260	71,80	□	70,50	□
425 x 270	69,00	□	67,80	□
425 x 280	66,10	□	64,95	□
425 x 290	63,05	□	62,00	□
425 x 300	59,95	□	58,90	□
425 x 310	56,70	□	55,70	□
425 x 320	53,35	□	52,45	□
425 x 330	49,90	□	49,05	□
425 x 340	46,35	□	45,55	□
425 x 350	42,65	□	41,95	□
425 x 360	38,90	□	38,20	□
425 x 370	35,00	□	34,40	□
425 x 380	31,00	□	30,45	□
425 x 390	26,90	□	26,40	□
425 x 400	22,65	□	22,25	□
450 x 120	111,60	□	109,70	□
450 x 130	110,30	□	108,40	□
450 x 140	109,00	□	107,10	□
450 x 150	107,50	□	105,60	□
450 x 160	105,90	□	104,00	□
450 x 170	104,20	□	102,50	□
450 x 180	102,40	□	100,70	□
450 x 190	100,50	□	98,80	□
450 x 200	98,45	□	96,80	□
450 x 210	96,35	□	94,65	□
450 x 220	94,10	□	92,50	□
450 x 230	91,75	□	90,15	□
450 x 240	89,25	□	87,75	□
450 x 250	86,70	□	85,20	□
450 x 260	84,00	□	82,55	□
450 x 270	81,20	□	79,80	□
450 x 280	78,30	□	76,95	□
450 x 290	75,30	□	74,00	□

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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
450 x 300	72,15	□	70,90	□
450 x 310	68,95	□	67,75	□
450 x 320	65,60	□	64,45	□
450 x 330	62,15	□	61,05	□
450 x 340	58,55	□	57,55	□
450 x 350	54,90	□	53,95	□
450 x 360	51,10	□	50,25	□
450 x 370	47,20	□	46,40	□
450 x 380	43,20	□	42,50	□
450 x 390	39,10	□	38,45	□
450 x 400	34,90	□	34,30	□
450 x 410	30,55	□	30,00	□
450 x 420	26,10	□	25,65	□
475 x 120	127,50	□	123,40	□
475 x 130	126,20	□	122,10	□
475 x 140	124,90	□	120,70	□
475 x 150	123,40	□	119,30	□
475 x 160	121,80	□	117,70	□
475 x 170	120,10	□	116,10	□
475 x 180	118,30	□	114,30	□
475 x 190	116,40	□	112,40	□
475 x 200	114,30	□	110,30	□
475 x 210	112,20	□	108,30	□
475 x 220	109,90	□	106,10	□
475 x 230	107,60	□	103,70	□
475 x 240	105,10	□	101,40	□
475 x 250	102,50	□	98,80	□
475 x 260	99,80	□	96,15	□
475 x 270	97,00	□	93,35	□
475 x 280	94,10	□	90,50	□
475 x 290	91,05	□	87,55	□
475 x 300	87,95	□	84,45	□
475 x 310	84,70	□	81,30	□
475 x 320	81,35	□	77,95	□
475 x 330	77,85	□	74,55	□
475 x 340	74,30	□	71,00	□
475 x 350	70,60	□	67,40	□
475 x 360	66,80	□	63,65	□
475 x 370	62,90	□	59,80	□
475 x 380	58,85	□	55,85	□
475 x 390	54,75	□	51,80	□
475 x 400	50,50	□	47,65	□
475 x 410	46,15	□	43,40	□
475 x 420	41,70	□	39,00	□
475 x 430	37,10	□	34,50	□
475 x 440	32,40	□	29,90	□

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Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
500 x 200	127,40	□	125,30	□
500 x 210	125,30	□	123,10	□
500 x 220	123,00	□	120,90	□
500 x 230	120,70	□	118,50	□
500 x 240	118,20	□	116,20	□
500 x 250	115,60	□	113,60	□
500 x 260	112,90	□	110,90	□
500 x 270	110,10	□	108,20	□
500 x 280	107,20	□	105,30	□
500 x 290	104,20	□	102,40	□
500 x 300	101,00	□	99,30	□
500 x 310	97,80	□	96,10	□
500 x 320	94,45	□	92,80	□
500 x 330	90,95	□	89,35	□
500 x 340	87,40	□	85,85	□
500 x 350	83,70	□	82,25	□
500 x 360	79,90	□	78,50	□
500 x 370	76,00	□	74,65	□
500 x 380	71,95	□	70,70	□
500 x 390	67,85	□	66,65	□
500 x 400	63,60	□	62,50	□
500 x 410	59,25	□	58,25	□
500 x 420	54,80	□	53,85	□
500 x 430	50,20	□	49,35	□
500 x 440	45,55	□	44,75	□
500 x 450	40,75	□	40,00	□
500 x 460	35,85	□	35,20	□
500 x 470	30,80	□	30,30	□
525 x 270	126,60	□	124,50	□
525 x 280	123,70	□	121,60	□
525 x 290	120,70	□	118,60	□
525 x 300	117,60	□	115,60	□
525 x 310	114,40	□	112,40	□
525 x 320	111,00	□	109,20	□
525 x 330	107,60	□	105,70	□
525 x 340	104,00	□	102,30	□
525 x 350	100,40	□	98,60	□
525 x 360	96,55	□	94,90	□
525 x 370	92,70	□	91,10	□
525 x 380	88,70	□	87,15	□
525 x 390	84,55	□	83,10	□
525 x 400	80,35	□	78,95	□
525 x 410	76,00	□	74,70	□
525 x 420	71,55	□	70,30	□
525 x 430	67,00	□	65,85	□
525 x 440	62,35	□	61,25	□

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Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

TUBES				
Diameters [mm] O.D. x I.D.	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
	[kg/pce]		[kg/pce]	
525 x 450	57,55	□	56,55	□
525 x 460	52,70	□	51,75	□
525 x 470	47,70	□	46,90	□
525 x 480	42,60	□	41,85	□
525 x 490	37,35	□	36,70	□
550 x 320	127,30	□	125,10	□
550 x 330	123,80	□	121,70	□
550 x 340	120,20	□	118,10	□
550 x 350	116,60	□	114,60	□
550 x 360	112,80	□	110,80	□
550 x 370	108,90	□	107,00	□
550 x 380	104,90	□	103,00	□
550 x 390	100,80	□	99,00	□
550 x 400	96,55	□	94,90	□
550 x 410	92,20	□	90,60	□
550 x 420	87,80	□	86,25	□
550 x 430	83,20	□	81,75	□
550 x 440	78,55	□	77,20	□
550 x 450	73,80	□	72,50	□
550 x 460	68,90	□	67,70	□
550 x 470	63,90	□	62,75	□
550 x 480	58,80	□	57,80	□
550 x 490	53,55	□	52,65	□
550 x 500	48,25	□	47,45	□
550 x 510	42,80	□	42,05	□
550 x 520	37,25	□	36,60	□
575 x 370	125,20	□	123,00	□
575 x 380	121,20	□	119,00	□
575 x 390	117,00	□	115,00	□
575 x 400	112,80	□	110,80	□
575 x 410	108,50	□	106,60	□
575 x 420	104,00	□	102,30	□
575 x 430	99,50	□	97,75	□
575 x 440	94,85	□	93,15	□
575 x 450	90,05	□	88,50	□
575 x 460	85,15	□	83,70	□
575 x 470	80,15	□	78,75	□
575 x 480	75,05	□	73,80	□
575 x 490	69,85	□	68,65	□
575 x 500	64,50	□	63,40	□
575 x 510	59,10	□	58,05	□
575 x 520	53,55	□	52,60	□
575 x 530	47,85	□	47,05	□
575 x 540	42,10	□	41,35	□
600 x 410	126,10	□	124,00	□
600 x 420	121,70	□	119,50	□

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Nylatron®



Polyamide [PA 6 + MOS2] [PA 6 + SOLID LUBRICANTS]

Nylatron® GSM  
Nylatron® NSM

## TUBES

Diameters [mm]	Nylatron® GSM		Nylatron® NSM	
	Standard length per piece: [600 mm]			
O.D. x I.D.	[kg/pce]		[kg/pce]	
600 x 430	117,10	□	115,10	□
600 x 440	112,40	□	110,40	□
600 x 450	107,70	□	105,80	□
600 x 460	102,80	□	101,00	□
600 x 470	97,75	□	96,10	□
600 x 480	92,65	□	91,05	□
600 x 490	87,45	□	85,90	□
600 x 500	82,10	□	80,70	□
600 x 510	76,70	□	75,35	□
600 x 520	71,15	□	69,95	□
600 x 530	65,50	□	64,35	□
600 x 540	59,70	□	58,70	□
600 x 550	53,85	□	52,90	□
600 x 560	47,85	□	47,05	□
600 x 570	41,75	□	41,00	□

Tolerances:

Outer diameter [O.D.] [mm]	Outer diameter [mm]	
	O.D.	I.D.
O.D. ≤ 60	+3,0	-0,8
	+0,8	-4,0 (*)
60 < O.D. ≤ 80	+3,5	-0,8
	+0,8	-4,0 (*)
80 < O.D. ≤ 110	+4,5	-1,8
	+1,2	-6,0 (*)
110 < O.D. ≤ 150	+5,0	-2,0
	+1,5	-7,5 (*)
150 < O.D. ≤ 180	+7,5	-2,2
	+1,8	-8,5 (*)
180 < O.D. ≤ 220	+9,0	-2,5
	+2,0	-9,5 (*)
220 < O.D. ≤ 250	+10,0	-3,0
	+3,0	-11,0 (*)
250 < O.D. ≤ 300	+11,0	-3,5
	+3,0	-13,0 (*)
300 < O.D. ≤ 400	+13,0	-3,5
	+3,0	-15,5 (*)
400 < O.D. ≤ 500	+15,0	-3,5
	+3,0	-18,0 (*)
500 < O.D. ≤ 600	+20,0	-4,5
	+5,0	-20,0 (*)

[\*]: Due to the manufacturing process, the inner diameter [I.D.] at the very ends of the tubes may be somewhat smaller [over a length of 2–10 mm, measured from the edge].

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## Nylatron® MD



Polyamide [PA 6]

Nylatron® MD

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Nylatron® MD	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
30	+0,2 +1,2	2,75	□
50	+0,3 +2,0	7,65	□
80	+0,4 +3,0	19,48	□
<b>Other standard length: [1000 mm<sup>[2]</sup>]</b>			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/ +3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





# Nylatron® MD

Polyamide [PA 6]

Nylatron® MD

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Nylatron® MD	
		Standard size per piece: [610x3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
20	+0,3 +1,5	48,45	□
40	+0,5 +2,5	96,30	□
80	+0,5 +5,0	193,35	□
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm, length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural/black

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertacetal® C natural		Ertacetal® C black	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
3		0,04	■	–	–
4	+0,1 +0,3	0,06	■	–	–
5		0,10	■	0,10	■
6	+0,1 +0,4	<b>0,14</b>	■	0,14	■
8		<b>0,24</b>	■	0,24	■
10	+0,1 +0,5	<b>0,36</b>	■	<b>0,36</b>	■
12		<b>0,53</b>	■	<b>0,53</b>	■
14		<b>0,71</b>	■	0,71	■
15		<b>0,81</b>	■	0,81	■
16	+0,2 +0,7	<b>0,92</b>	■	<b>0,92</b>	■
18		<b>1,16</b>	■	1,16	■
20		<b>1,42</b>	■	<b>1,42</b>	■
22		<b>1,73</b>	■	<b>1,73</b>	■
25		<b>2,22</b>	■	<b>2,22</b>	■
28	+0,2 +0,9	<b>2,78</b>	■	<b>2,78</b>	■
30		<b>3,18</b>	■	<b>3,18</b>	■
32		<b>3,63</b>	■	3,63	■
36	+0,2 +1,1	<b>4,56</b>	■	<b>4,56</b>	■
40		<b>5,61</b>	■	<b>5,61</b>	■
45		<b>7,11</b>	■	<b>7,11</b>	■
50	+0,3 +1,3	<b>8,76</b>	■	<b>8,76</b>	■
56		<b>10,95</b>	■	10,95	■
60		<b>12,60</b>	■	<b>12,60</b>	■
65	+0,3 +1,6	<b>14,76</b>	■	<b>14,76</b>	■
70		<b>17,07</b>	■	<b>17,07</b>	■
75	+0,4 +2,0	<b>19,71</b>	■	<b>19,71</b>	■
80		<b>22,38</b>	■	<b>22,38</b>	■
85	+0,5 +2,2	<b>25,29</b>	■	25,29	□
90		<b>28,29</b>	■	<b>28,29</b>	■
95	+0,6 +2,5	31,65	□	31,65	□
100		<b>34,95</b>	■	<b>34,95</b>	■
Other standard length: [1000 mm <sup>[2]</sup> ]					

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural/black

ROUND RODS					
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertacetal® C natural		Ertacetal® C black	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
110	+0,7 +3,0	42,45	■	42,45	■
115		46,65	□	46,65	□
120	+0,8 +3,5	50,70	■	50,70	■
125		54,90	□	54,90	■
130		59,40	■	59,40	■
135	+0,9 +3,8	64,05	□	64,05	□
140		68,70	■	68,70	■
150	+1,0 +4,2	79,05	■	79,05	■
160	+1,1 +4,5	90,00	▣	90,00	▣
170		101,70	▣	101,70	▣
180	+1,2 +5,0	113,70	■	113,70	■
190		126,90	□	126,90	□
200	+1,3 +5,5	140,40	■	140,40	■
210		154,80	▣	154,80	□
220	+1,3 +5,8	169,50	▣	169,50	□
230		185,55	■	185,55	□
250	+1,5 +6,2	218,55	■	218,55	■
280	+1,6 +6,5	273,45	▣	273,45	□
300	+1,7 +7,0	314,10	▣	314,10	▣
320	+1,8 +7,4	357,00	■	357,00	■
400	+2,0 +12,0	569,10	□	–	–
Other standard length: [1000 mm <sup>[2]</sup> ]					

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C blue

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertacetal® C blue	
		Standard length per piece: [3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
15		0,81	□
16		0,92	□
18	+0,2 +0,7	1,16	□
20		<b>1,42</b>	■
22		1,73	□
25		2,22	□
28	+0,2 +0,9	2,78	□
30		3,18	□
32		3,63	□
36	+0,2 +0,9	4,56	□
40		5,61	□
45		7,11	□
50	+0,3 +1,3	8,76	□
56		10,95	□
60		<b>12,60</b>	■
65	+0,3 +1,6	14,76	□
70		17,07	□
75		19,71	□
80	+0,4 +2,0	<b>22,38</b>	■
85		25,29	□
90	+0,5 +2,2	28,29	□
95		31,65	□
100	+0,6 +2,5	<b>34,95</b>	■
110	+0,7 +3,0	42,45	□
115		46,65	□
120	+0,8 +3,5	50,70	□
125		54,90	□
130	+0,9 +3,8	59,40	□
150	+1,0 +4,2	79,05	□
160	+1,2 +4,5	90,00	□
200	+1,3 +4,5	140,40	□
<b>Other standard length: [1000 mm<sup>[2]</sup>]</b>			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C colour

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertacetal® C colour	
		Standard length per piece: [3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
15		0,81	□
16		0,92	□
18	+0,2 +0,7	1,16	□
20		1,42	□
22		1,73	□
25		2,22	□
28	+0,2 +0,9	2,78	□
30		3,18	□
32		3,63	□
36	+0,2 +0,9	4,56	□
40		5,61	□
45		7,11	□
50	+0,3 +1,3	8,76	□
56		10,95	□
60		12,60	□
65	+0,3 +1,6	14,76	□
70		17,07	□
75		19,71	□
80	+0,4 +2,0	22,38	□
85		25,29	□
90	+0,5 +2,2	28,29	□
95		31,65	□
100	+0,6 +2,5	34,95	□
110	+0,7 +3,0	42,45	□
115		46,65	□
120	+0,8 +3,5	50,70	□
125		54,90	□
130	+0,9 +3,8	59,40	□
Other standard length: [1000 mm <sup>[2]</sup> ]			

**Colours & Product Codes**

Ertacetal® C green – 60	[RAL 6024]
Ertacetal® C brown – 80	[RAL 8016]
Ertacetal® C grey – 70	[RAL 7042]
Ertacetal® C orange – 20	[RAL 2009]
Ertacetal® C red – 30	[RAL 3018]
Ertacetal® C yellow – 10	[RAL 1021]
Ertacetal® C black – 90	[RAL 9017]

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerance on the length -0/+3%<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
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- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-H] [POM-H + PTFE]

Ertacetal® H natural/black

Ertacetal® H-TF

ROUND RODS							
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertacetal® H natural		Ertacetal® H black		Ertacetal® H-TF	
		Standard size per piece: [3000 mm <sup>[2]</sup> ]					
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
3		–	–	–	–	–	–
4	+0,1 +0,3	–	–	–	–	–	–
5		0,10	□	0,09	□	–	–
6	+0,1 +0,4	0,14	■	0,15	□	–	–
8		0,24	□	0,24	□	–	–
10	+0,1 +0,5	0,36	■	0,36	□	0,38	□
12		0,53	■	0,53	□	0,56	□
14		0,72	□	0,72	□	0,76	□
15		0,82	■	0,82	□	0,86	□
16	+0,2 +0,7	0,93	■	0,93	□	0,98	□
18		<b>1,16</b>	■	1,16	□	1,23	□
20		<b>1,43</b>	■	1,43	□	1,52	□
22		<b>1,74</b>	■	1,74	□	1,85	□
25		<b>2,24</b>	■	2,24	■	2,36	□
28	+0,2 +0,9	2,79	■	2,79	□	2,94	□
30		<b>3,18</b>	■	3,18	■	3,36	□
32		3,66	■	3,66	□	3,87	□
36	+0,2 +0,9	<b>4,59</b>	■	4,59	□	4,86	□
40		<b>5,64</b>	■	<b>5,64</b>	■	5,97	□
45		7,17	■	7,17	□	7,56	□
50	+0,3 +1,3	<b>8,82</b>	■	8,82	■	9,30	□
56		<b>11,01</b>	■	11,01	□	11,64	□
60		<b>12,69</b>	■	12,69	□	13,41	□
65	+0,3 +1,6	14,85	■	14,85	□	15,69	□
70		17,19	■	17,19	□	18,15	□
75		19,83	■	19,83	□	20,97	□
80	+0,4 +2,0	<b>22,53</b>	■	22,53	□	23,79	□
85		25,47	■	25,47	□	26,91	□
90	+0,5 +2,2	28,50	■	28,50	□	30,15	□
95		31,80	□	31,80	□	33,60	□
100	+0,6 +2,5	<b>35,25</b>	■	35,25	□	37,20	□
110	+0,7 +3,0	42,75	■	–	–	–	–
115		46,95	□	–	–	–	–
120	+0,8 +3,5	51,00	■	–	–	–	–
125		55,20	■	–	–	–	–
130		59,85	■	–	–	–	–
140	+0,9 +3,8	69,30	□	–	–	–	–
150	+1,0 +4,2	79,65	■	–	–	–	–
160	+1,1 +4,5	90,60	□	–	–	–	–
170		102,45	□	–	–	–	–
180	+1,2 +5,0	114,60	□	–	–	–	–
200	+1,3 +5,5	141,30	■	–	–	–	–
210							
220	+1,3 +5,8						
230							
250	+1,5 +6,2						
280	+1,6 +6,5						
300	+1,7 +7,0						
320	+1,8 +7,4						

<sup>[1]</sup>: tolerances according to DIN EN 15860  
<sup>[2]</sup>: tolerance on the length -0/+3%  
<sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]  
 ■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]  
 □ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Other standard length: [1000 mm<sup>[2]</sup>]



Static Dissipative Polyacetal [POM]

Semitron® ESd 225

ROUND RODS				
Diameters <sup>[1][2]</sup>		Standard lengths [mm <sup>[1]</sup> ]	Semitron® ESd 225	
[mm]	[inch]		[kg/pce <sup>[3]</sup> ]	
6,35	1/4	2440	0,10	□
7,94	5/16	2440	0,16	□
9,53	3/8	2440	0,23	□
11,11	7/16	2440	0,32	□
12,70	1/2	2440	0,41	□
14,29	9/16	2440	0,53	□
15,88	5/8	2440	0,65	□
19,05	3/4	2440	0,93	□
22,23	7/8	2440	1,27	□
25,40	1	2440	1,64	□
28,58	1 1/8	2440	2,10	□
31,75	1 1/4	2440	2,59	□
34,93	1 3/8	2440	3,13	□
38,10	1 1/2	2440	3,73	□
41,28	1 5/8	2440	4,37	□
44,45	1 3/4	2440	5,07	□
47,63	1 7/8	2440	5,82	□
50,80	2	2440	6,63	□
53,98	2 1/8	2440	7,48	□
57,15	2 1/4	2440	8,39	□
63,50	2 1/2	2440	10,35	□
69,85	2 3/4	2440	12,55	□
76,20	3	1220	7,40	□
82,55	3 1/4	1220	8,75	□
88,90	3 1/2	1220	10,15	□
95,25	3 3/4	1220	11,65	□
101,60	4	1220	13,25	□

<sup>[1]</sup>: all dimensions shown are minimum values

<sup>[2]</sup>: for non-listed intermediate diameters, please consult us

<sup>[3]</sup>: theoretical weights, based on nominal dimensions and average density

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural

SHEETS					
Thicknesses	Tolerances <sup>[1]</sup> on the thicknesses	Ertacetal® C natural			
		Rolls <sup>[3]</sup>		Sheets <sup>[4]</sup>	
		Standard weight per roll: approx. [50 kg]		Standard size per piece: [1000 x 2000 mm]	
[mm]	[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
0,5	-0,02 +0,08	54,60	□	–	–
0,8	-0,05 +0,10	54,45	□	–	–
1	-0,10 +0,10	60,90	□	2,90	□
1,5		–	–	4,36	□
2	-0,15 +0,15	–	–	5,82	□
2,5		–	–	7,26	□
3		–	–	<b>8,72</b>	■
4	-0,20 +0,20	–	–	11,60	■
5		–	–	14,50	■
6	-0,25 +0,25	–	–	<b>17,45</b>	■
				Other standard size: [1000 x 1000 mm <sup>[2]</sup> ]	

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: average production weights

<sup>[3]</sup>: a coil contains approx. 50 kg of material; width 1000 [-0/+30] mm

<sup>[4]</sup>: tolerance on width and length: -0/+3 %

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]





Static Dissipative Polyacetal [POM]

Semitron® ESd 225

PLATES					
Thicknesses <sup>[1]</sup>		Semitron® ESd 225			
[mm]	[inch]	Standard size per piece: [610 x 610 mm <sup>[2]</sup> ]		Standard size per piece: [610 x 1220 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
6,35	1/4	3,14	□	6,33	□
9,53	3/8	4,71	□	9,50	□
12,70	1/2	6,28	□	12,65	□
19,05	3/4	9,42	□	19,00	□
25,40	1	12,55	□	25,35	□
31,75	1 1/4	15,70	□	31,65	□
38,10	1 1/2	18,85	□	38,00	□
44,45	1 3/4	22,00	□	44,35	□
50,80	2	25,15	□	50,65	□

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[3]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural

PLATES							
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertacetal® C natural					
		Standard size per piece: [1000 x 2000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup>		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup>		Standard size per piece: [1220 x 3000 mm <sup>[4]</sup> [kg/pce <sup>[3]</sup>	
8	+0,2 +0,9	24,80	■	22,95	■	-	-
10		30,70	■	28,32	■	-	-
12		37,50	■	34,65	■	-	-
15	+0,3 +1,5	-	-	42,60	■	-	-
16		49,10	■	45,30	■	-	-
18		-	-	50,70	□	-	-
20		60,70	■	56,10	■	113,79	■
25		75,20	■	69,45	■	140,87	■
30	+0,5 +2,5	91,50	■	84,60	■	171,60	■
35		-	-	97,95	■	-	-
40		120,60	■	111,30	■	225,76	■
45		-	-	124,80	□	-	-
50		149,60	■	138,15	■	280,22	■
60	+0,5 +3,5	180,10	□	166,35	■	337,42	■
70		-	-	193,20	■	-	-
80		-	-	222,00	■	-	-
90	+0,5 +5,0	-	-	248,85	■	-	-
100		-	-	275,70	■	-	-
120	+0,5 +6,0	-	-	330,60	■	-	-
150		+0,5 +7,0	-	-	414,60	■ <sup>[5]</sup>	-
		Other standard size: [1000 x 1000/3000 mm <sup>[2]</sup>		Other standard size: [610 x 1000 mm <sup>[2]</sup>		-	

<sup>[1]</sup>: tolerances according to DIN 16986

<sup>[2]</sup>: tolerances: width +5/+25 mm; length 0/+3 %

<sup>[3]</sup>: average production weights

<sup>[4]</sup>: tolerances: width +20/+45 mm; length 0/+3 %

<sup>[5]</sup>: available in width 625 mm only

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C black

PLATES							
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertacetal® C black					
		Standard size per piece: [1000 x 2000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup>		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup>		Standard size per piece: [1220 x 3000 mm <sup>[4]</sup> [kg/pce <sup>[3]</sup>	
8	+0,2 +0,9	–	–	22,95	■	–	–
10		30,70	■	28,32	■	–	–
12		–	–	34,65	■	–	–
15	+0,3 +1,5	42,60	■	42,60	■	–	–
16		–	–	45,30	■	–	–
18		–	–	50,70	□	–	–
20		60,70	■	56,10	■	113,79	■
25	+0,5 +2,5	75,20	■	69,45	■	140,87	■
30		91,50	■	84,60	■	171,60	■
35		–	–	97,95	■	–	–
40		120,60	■	111,30	■	225,76	■
45		–	–	124,80	□	–	–
50	+0,5 +3,5	149,60	■	138,15	■	280,22	■
60		180,10	□	166,35	■	337,42	■
70		–	–	193,20	■	–	–
80	+0,5 +5,0	–	–	222,00	■	–	–
90		–	–	248,85	■	–	–
100		–	–	275,70	■	–	–
120	+0,5 +6,0	–	–	330,60	■	–	–
150	+0,5 +7,0	–	–	421,20	■ <sup>[5]</sup>	–	–
		Other standard size: [1000 x 1000/3000 mm <sup>[2]</sup>		Other standard size: [610 x 1000 mm <sup>[2]</sup>		–	

<sup>[1]</sup>: tolerances according to DIN 16986

<sup>[2]</sup>: tolerances: width +5/+25 mm; length 0/+3 %

<sup>[3]</sup>: average production weights

<sup>[4]</sup>: tolerances: width +20/+45 mm; length 0/+3 %

<sup>[5]</sup>: available in width 625 mm only

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C blue

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertacetal® C blue	
		Standard length per piece: [610 x 3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	22,95	□
10		28,32	□
12		34,65	□
15		42,60	□
16	+0,3 +1,5	45,30	□
18		50,70	□
20		<b>56,10</b>	■
25		69,45	□
30	+0,5 +2,5	<b>84,60</b>	■
35		97,95	□
40		<b>111,30</b>	■
45		124,80	□
50	+0,5 +3,5	138,15	□
60		<b>166,35</b>	■
70		193,20	□
80		222,00	□
90	+0,5 +5,0	248,85	□
100		275,70	□
120		330,60	□
Other standard length: [610 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C colour

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertacetal® C colour	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	22,95	□
10		28,32	□
12		34,65	□
15		42,60	□
16	+0,3 +1,5	45,30	□
18		50,70	□
20		56,10	□
25		69,45	□
30	+0,5 +2,5	84,60	□
35		97,95	□
40		111,30	□
45		124,80	□
50	+0,5 +3,5	138,15	□
60		166,35	□
70		193,20	□
80		222,00	□
90	+0,5 +5,0	248,85	□
100		275,70	□
120	+0,5 +6,0	330,60	□
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]			

#### Colours & Product Codes

Ertacetal® C green – 60	[RAL 6024]
Ertacetal® C brown – 80	[RAL 8016]
Ertacetal® C grey – 70	[RAL 7042]
Ertacetal® C orange – 20	[RAL 2009]
Ertacetal® C red – 30	[RAL 3018]
Ertacetal® C yellow – 10	[RAL 1021]
Ertacetal® C black – 90	[RAL 9017]

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

Ertacetal®



Polyacetal [POM-H] [POM-H + PTFE]

Ertacetal® H natural/black

Ertacetal® H-TF

PLATES							
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertacetal® H natural		Ertacetal® H black		Ertacetal® H-TF	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ]					
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	23,10	□	23,10	□	–	–
10		<b>28,50</b>	■	28,50	□	–	–
12		34,80	□	34,80	□	36,90	□
15	+0,3 +1,5	42,90	□	42,90	□	45,45	□
16		45,60	■	45,60	■	48,30	□
18		51,15	□	51,15	□	54,00	□
20		<b>56,55</b>	■	56,55	■	59,70	□
25		<b>70,05</b>	■	70,05	■	73,95	□
30	+0,5 +2,5	85,20	■	85,20	■	89,85	□
35		98,70	□	98,70	□	104,25	□
40		<b>112,20</b>	■	112,20	■	118,50	□
45		125,70	□	125,70	□	132,75	□
50		139,20	□	139,20	■	147,00	□
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]							

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm; length -0/+3 %

<sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural/black

## TUBES

Diameters [mm] O.D. x I.D.	Tolerances <sup>[1]</sup> on the diameters [mm]		Ertacetal® C natural		Ertacetal® C black	
	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ]			
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
20 x 10			1,16	□	1,16	□
20 x 12			1,03	□	1,03	□
20 x 15			0,77	□	0,77	□
22 x 10			1,46	□	1,46	□
22 x 16			0,96	□	0,96	□
25 x 12			1,82	□	1,82	□
25 x 15	+0,4 +1,1	-0,4 -1,1	1,55	□	1,55	□
25 x 18			1,23	□	1,23	□
28 x 12			2,36	□	2,36	□
28 x 15			2,10	□	2,10	□
28 x 20			1,55	□	1,55	□
30 x 15			2,51	□	2,51	□
30 x 20			<b>1,94</b>	■	1,94	□
32 x 15			3,12	□	3,12	□
32 x 20			2,57	□	2,57	□
32 x 25			1,85	□	1,85	□
36 x 17			3,87	□	3,87	□
36 x 20			3,51	□	3,51	□
36 x 25			2,79	□	2,79	□
36 x 30			1,92	□	1,92	□
40 x 20			4,56	□	4,56	□
40 x 25	+0,6 +2,0	-0,6 -2,0	3,87	□	3,87	□
40 x 30			2,97	□	2,97	□
45 x 20			6,06	□	6,06	□
45 x 25			5,34	□	5,34	□
45 x 30			<b>4,44</b>	■	4,44	□
45 x 35			3,39	□	3,39	□
50 x 20			7,71	□	7,71	□
50 x 25			6,99	□	6,99	□
50 x 30			6,09	■	<b>6,09</b>	■
50 x 40			3,81	□	3,81	□
55 x 25			8,97	□	8,97	□
55 x 35			7,08	□	7,08	■
55 x 45			4,47	□	4,47	□
60 x 30	+0,8 +2,5	-0,8 -2,5	<b>10,11</b>	■	10,11	□
60 x 40			<b>7,86</b>	■	7,86	□
60 x 50			4,92	□	4,92	□
65 x 40			10,20	□	10,20	□
65 x 50	+0,8 +3,0	-0,8 -3,0	7,29	□	7,29	□
70 x 30	+0,8 +3,0	-0,8 -4,5	14,91	□	14,91	■
70 x 40	+0,8 +3,0	-0,8 -3,0	12,54	□	12,54	□
70 x 50			<b>9,63</b>	■	9,63	□

Other standard length: [1000 mm<sup>[2]</sup>]

<sup>[1]</sup>: tolerances according to DIN EN 15860, except for the tubes dia. 70 x 30 and 100 x 40 mm

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyacetal [POM-C]

Ertacetal® C natural/black

TUBES							
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]		Ertacetal® C natural		Ertacetal® C black		
	O.D. x I.D.	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ]			
				[kg/pce <sup>[3]</sup> ]	[kg/pce <sup>[3]</sup> ]		
75 x 50				12,15	□	12,15	□
75 x 60				8,55	□	8,55	□
80 x 40	+0,8 +3,0	-0,8 -3,0		<b>17,73</b>	■	17,73	□
80 x 50				14,82	□	14,82	■
80 x 60				11,25	■	11,25	□
90 x 40				24,24	□	24,24	□
90 x 50	+1,2 +3,6	-1,6 -5,0		<b>21,45</b>	■	21,45	□
90 x 60				17,94	□	17,94	□
90 x 70				13,80	□	13,80	□
100 x 40	+1,2 +3,6	-1,6 -6,5		31,05	□	31,05	□
100 x 50				27,99	□	27,99	■
100 x 60	+1,2 +3,6	-1,6 -5,0		24,51	□	24,51	□
100 x 80				15,51	□	15,51	□
115 x 50				39,90	□	39,90	□
115 x 70				32,40	□	32,40	□
115 x 90				22,17	□	22,17	□
125 x 50				48,15	□	48,15	□
125 x 80				35,85	□	35,85	□
125 x 100	+1,5 +4,5	-2,0 -6,5		24,33	□	24,33	□
140 x 70				54,45	□	54,45	□
140 x 90				44,10	□	44,10	□
150 x 60				68,40	□	68,40	□
150 x 80				59,55	□	59,55	□
150 x 100				48,00	□	48,00	□
160 x 80				71,25	□	71,25	□
160 x 100				59,70	□	59,70	□
180 x 90	+1,8 +5,4	-2,2 -7,5		89,25	□	89,25	□
180 x 120				69,00	□	69,00	□
180 x 140				52,05	□	52,05	□
200 x 100				110,25	□	110,25	□
200 x 120	+2,0 +6,0	-2,5 -8,5		96,15	□	96,15	□
200 x 150				69,90	■	69,90	□
200 x 160				59,85	□	59,85	□
225 x 150				111,50	□	111,50	□
225 x 175	+3,0 +9,0	-3,0 -12,0		85,35	□	85,35	□
250 x 150				152,60	□	152,60	□
250 x 200				96,00	□	96,00	□
280 x 150				208,80	□	–	–
280 x 200				152,70	□	–	–
320 x 150	+3,0 +11,0	-3,5 -14,0		293,90	□	–	–
320 x 200				239,10	□	–	–
350 x 200				306,9	□	–	–
350 x 300				139,70	□	–	–

Other standard length: [1000 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860, except for the tubes dia. 70 x 30 and 100 x 40 mm<sup>[2]</sup>: tolerance on the length -0/+3%<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# Acetron® MD



Polyacetal [POM-C]

Acetron® MD

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Acetron® MD	
		Standard length per piece: [3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
30	+0,2 +1,2	3,36	■
50	+0,3 +2,0	9,33	■
80	+0,4 +3,0	23,82	■
125	+0,8 +3,5	57,60	▣
Other standard length: [1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Acetron® MD



Polyacetal [POM-C]

Acetron® MD

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Acetron® MD	
		Standard size per piece: [610x3000 mm <sup>[2]</sup> ] [kg/pce <sup>[3]</sup> ]	
20	+0,3 +1,5	59,40	■
40	+0,5 +2,5	117,90	■
80	+0,5 +5,0	234,90	■
Other standard size: [610 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances: width +5/+25 mm, length -0/+3 %

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyethylene Terephthalate [PET] [PET + SOLID LUBRICANT]

Ertalyte® natural/black  
Ertalyte® TX

ROUND RODS							
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Ertalyte® natural		Ertalyte® black		Ertalyte® TX	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]					
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
10	+0,1 +0,5	0,35	■	0,35	□	0,37	□
12		0,52	□	0,52	□	0,53	■
14		0,70	□	0,70	□	0,72	□
15		0,80	■	0,80	□	0,82	□
16	+0,2 +0,7	0,91	■	0,91	□	0,93	■
18		1,14	■	1,14	□	1,17	□
20		1,40	■	1,40	■	1,44	■
22		1,71	■	1,71	□	1,76	□
25	+0,2 +0,9	2,19	■	2,19	■	2,25	■
28		2,73	□	2,73	□	2,81	□
30		3,12	■	3,12	■	3,21	■
32		3,57	■	3,57	□	3,66	□
36	+0,2 +1,1	4,50	■	4,50	■	4,62	■
40		5,52	■	5,52	■	5,70	■
45		7,02	■	7,02	□	7,23	■
50	+0,3 +1,3	8,64	■	8,64	■	8,88	■
56		10,80	■	10,80	□	11,10	□
60		12,45	■	12,45	■	12,78	■
65	+0,3 +1,6	14,55	■	14,55	□	14,97	□
70		16,86	■	16,86	■	17,34	■
75		19,44	■	19,44	□	20,01	□
80	+0,4 +2,0	22,08	■	22,08	■	22,71	■
85		24,96	□	24,96	□	25,68	□
90	+0,5 +2,2	27,93	■	27,93	□	28,74	■
100	+0,6 +2,5	34,50	■	34,50	□	35,55	■
110	+0,7 +3,0	41,85	■	41,85	□	43,05	□
120	+0,8 +3,5	49,95	■	49,95	□	51,45	■
125		54,15	□	54,15	□	55,65	□
130		58,65	■	58,65	□	60,30	□
140	+0,9 +3,8	67,80	■	67,80	□	69,75	□
150	+1,0 +4,2	78,00	■	78,00	■	80,25	■
160	+1,1 +4,5	88,80	■	–	–	91,20	□
170		100,35	□	–	–	103,20	□
180	+1,2 +5,0	112,20	■	–	–	115,50	□
190		125,25	□	–	–	128,85	□
200	+1,3 +5,5	138,45	■	–	–	142,50	□
210	+1,3 +5,8	152,70	■	–	–	–	–

Other standard length: [1000 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerance on the length -0/+3%<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyethylene Terephthalate [PET] [PET + SOLID LUBRICANT]

Ertalyte® natural

SHEETS			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalyte® natural	
		Standard size per piece: [1000 x 2000 mm <sup>[2]</sup> [kg/pce <sup>[3]</sup> ]	
2	-0,15 +0,15	5,74	O.R.
3	-0,20 +0,20	8,60	O.R.
4		11,40	O.R.
5	-0,25 +0,25	14,25	O.R.
6	-0,30 +0,30	17,10	O.R.
Other standard size: [1000 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on width and length: -0/+3 mm

<sup>[3]</sup>: average production weight

O.R.: available on request: please check for lead-time and minimum quantity

Ertalyte®



Polyethylene Terephthalate [PET] [PET + SOLID LUBRICANT]

Ertalyte® natural/black  
Ertalyte® TX

PLATES							
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalyte® natural		Ertalyte® black		Ertalyte® TX	
		Standard size per piece: [610 x 3000 mm <sup>[2]</sup> ]					
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
8	+0,2 +0,9	22,77	■	22,77	□	23,43	■
10		28,11	■	28,11	■	28,92	■
12		34,35	■	34,35	□	35,40	■
15	+0,3 +1,5	42,30	■	42,30	□	43,50	■
16		45,00	■	45,00	■	46,35	□
18		50,40	□	50,40	□	51,75	□
20		55,65	■	55,65	■	57,30	■
25	+0,5 +2,5	68,85	■	68,85	■	70,80	■
30		83,70	■	83,70	■	86,10	■
35		96,90	■	96,90	□	99,75	□
40		110,25	■	110,25	■	113,40	■
45		123,45	□	123,45	□	127,05	□
50	+0,5 +3,5	136,80	■	136,80	■	140,70	■
60		164,70	■	164,70	■	169,35	■
70		191,25	■	191,25	□	196,65	□
80	+0,5 +5,0	219,75	■	219,75	■	226,05	■
90		246,30	□	246,30	□	253,35	□
100		272,85	■	272,85	□	280,65	■

Other standard size: [610 x 1000 mm<sup>[2]</sup>]

PLATES					
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Ertalyte® natural		Ertalyte® black	
		Standard size per piece: [1000 x 3000 mm <sup>[2]</sup> ]			
		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
20	+0,3 +1,5	91,25	□	91,25	□
25		-	-	-	-
30		137,20	□	137,20	□
35	+0,5 +2,5	-	-	-	-
40		180,70	□	180,70	□
45		-	-	-	-
50		224,30	□	224,30	□
60	+0,5 +3,5	270,00	□	270,00	□
70		313,50	□	313,50	□
80	+0,5 +5,0	360,20	□	360,20	□

<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerances on width +5/+25 mm, on length -0/+3 %<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



Polyethylene Terephthalate [PET] [PET + SOLID LUBRICANT]

Ertalyte® natural  
Ertalyte® TX

## TUBES

Diameters [mm] O.D. x I.D.	Tolerances <sup>[1]</sup> on the diameters [mm]		Ertalyte® natural		Ertalyte® TX	
	O.D.	I.D.	Standard length per piece: [3000 mm <sup>[2]</sup> ]			
			[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
20 x 12			1,02	□	1,05	□
25 x 15	+0,4 +1,1	-0,4 -1,1	1,55	□	1,59	□
30 x 20			1,92	□	1,98	■
36 x 20			3,48	■	<b>3,60</b>	■
40 x 20			4,53	□	<b>4,68</b>	■
40 x 30	+0,6 +2,0	-0,6 -2,0	2,96	□	3,03	□
45 x 30			4,41	■	4,56	□
50 x 30			6,06	□	6,24	□
50 x 40			3,81	□	3,90	□
55 x 45			4,44	□	4,59	□
60 x 30	+0,8 +2,5	-0,8 -2,5	10,02	■	10,32	■
60 x 40			7,80	□	8,01	■
65 x 50			7,23	□	7,44	□
70 x 30			14,79	□	15,10	□
70 x 40			12,45	□	12,81	□
70 x 50	+0,8 +3,0	-0,8 -3,0	9,57	■	9,84	□
75 x 60			8,49	□	8,73	□
80 x 40			17,61	■	18,09	□
80 x 50			14,70	□	15,12	□
80 x 60			11,16	■	11,46	□
90 x 40			24,10	□	24,75	□
90 x 50			21,27	■	21,90	□
90 x 60			17,80	□	18,33	□
90 x 70	+1,2 +3,6	-1,6 -5,0	13,68	□	14,07	■
100 x 40			30,60	□	31,65	□
100 x 50			27,81	□	28,59	□
100 x 60			24,35	□	25,05	□
100 x 80			<b>15,42</b>	■	15,84	■
115 x 50			39,60	□	40,80	□
115 x 70			32,10	■	33,00	■
115 x 90			22,00	□	22,62	□
125 x 50	+1,5 +4,5	-2,0 -6,5	<b>47,85</b>	■	49,20	□
125 x 80			35,70	□	36,60	□
140 x 70			54,00	■	55,50	■
140 x 90			43,80	□	45,15	□
160 x 80			70,65	■	72,75	■
160 x 100			59,25	□	61,05	□
180 x 80	+1,8 +5,4	-2,2 -7,5	93,90	□	96,60	□
180 x 100			82,50	□	84,90	□
180 x 140			51,75	□	53,25	□
200 x 100			109,50	□	112,50	■
200 x 140	+2,0 +6,0	-2,5 -8,5	78,75	□	81,00	□
200 x 160			59,40	□	61,05	□

Other standard length: [1000 mm<sup>[2]</sup>]<sup>[1]</sup>: tolerances according to DIN EN 15860<sup>[2]</sup>: tolerance on the length: -0/+3 %<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Quadrant® 1000 PC



Polycarbonate [PC]

Quadrant® 1000 PC natural

ROUND RODS			
Diameters [mm]	Tolerances <sup>[1]</sup> on the diameters [mm]	Quadrant® 1000 PC natural	
		Standard length per piece: [3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
6	+0,1 +0,4	0,11	□
8		0,20	□
10	+0,1 +0,5	0,30	■
12		0,45	□
16	+0,2 +0,9	0,79	□
20		<b>1,21</b>	■
22		1,48	□
25		1,89	□
28	+0,2 +1,2	2,37	□
30		<b>2,70</b>	■
32		3,06	□
36		3,90	□
40	+0,2 +1,6	<b>4,80</b>	■
45		6,12	□
50	+0,3 +2,0	<b>7,50</b>	■
56		9,36	□
60		<b>10,83</b>	■
65	+0,3 +2,5	12,66	□
70		14,64	□
75		16,89	□
80	+0,4 +3,0	19,17	■
90	+0,5 +3,4	24,27	□
100	+0,6 +3,8	29,97	□
110	+0,7 +4,2	36,30	□
120	+0,8 +4,6	43,20	■
125		46,80	□
130		50,85	□
140	+0,9 +5,4	58,80	□
150	+1,0 +5,8	67,50	□
160	+1,1 +6,3	76,95	□
170	+1,2 +7,4	87,15	□
180		97,50	□
190	+1,3 +8,5	109,05	□
200		120,45	□
Other standard length: [1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerance on the length -0/+3%

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# Quadrant® 1000 PC



Polycarbonate [PC]

Quadrant® 1000 PC natural

PLATES			
Thicknesses [mm]	Tolerances <sup>[1]</sup> on the thicknesses [mm]	Quadrant® 1000 PC natural	
		Standard size per piece: [620 x 3000 mm <sup>[2]</sup> ]	
		[kg/pce <sup>[3]</sup> ]	
15	+0,3 +1,5	37,65	■
18		44,55	□
20		49,20	■
25		<b>60,75</b>	■
30	+0,5 +2,5	74,25	■
40		97,50	■
50		120,75	■
Other standard size: [620 x 1000 mm <sup>[2]</sup> ]			

<sup>[1]</sup>: tolerances according to DIN EN 15860

<sup>[2]</sup>: tolerances on widths: +5/+25 mm, on length -0/+3 %

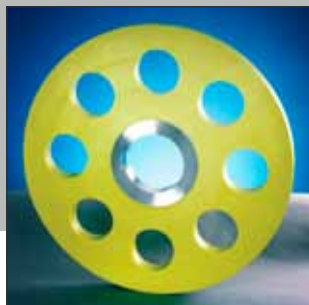
<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
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# TIVAR® Proprietary Grades

TIVAR® | Borotron®



Quadrant Engineering Plastic Products focuses on innovation by modification of TIVAR® 1000 standard materials in order to meet specific requirements of our customers. The TIVAR® Proprietary Grades offer improved sliding and wear properties, static dissipative characteristics, enhanced release properties or other improved characteristics.

## TIVAR®

### **TIVAR DrySlide [UHMW-PE + internal lubricant + other additives; colour: black]**

Thanks to the lubricant built into a UHMW-PE matrix with higher molecular weight, TIVAR DrySlide offers a lower coefficient of friction and enhanced wear and abrasion resistance than TIVAR 1000. The additives used also make this material static dissipative and considerably improve UV-resistance.

### **TIVAR HPV [UHMW-PE + internal lubricant]**

This high performance TIVAR bearing grade provides a better wear resistance than TIVAR 1000, combined with a near zero level of «stick-slip». The elimination of stick-slip, mostly associated with chatter and/or squeaking, provides an extraordinary amount of motion control for high-precision applications.

### **TIVAR TECH [UHMW-PE + MoS<sub>2</sub>; colour: grey-black]**

This UHMW-PE grade with extremely high degree of polymerisation contains molybdenum disulphide, resulting in a material with improved wear resistance and sliding properties over TIVAR 1000.

### **TIVAR DS [UHMW-PE + additives; standard colours: grey, yellow]**

TIVAR DS is a modified UHMW-PE with extremely high molecular weight. The latter in combination with a particular manufacturing process results in a UHMW-PE grade with superior wear and abrasion resistance over TIVAR 1000.

### **TIVAR Ceram P [UHMW-PE + micro glass beads + other additives; standard colour: yellow-green]**

TIVAR Ceram P is a wear improved UHMW-PE material with incorporated micro glass beads, specifically developed for use in the dewatering zone of high-speed paper machinery equipped with plastic wires and manufacturing paper with high abrasive filler content.

### **TIVAR SuperPlus [UHMW-PE, partially cross-linked + specific additives; colour: grey]**

TIVAR SuperPlus is a wear optimised, partially cross-linked UHMW-PE material with extremely high degree of polymerisation for use in most demanding applications and environments.

### **TIVAR H.O.T. [UHMW-PE + specific additives; colour: bright-white]**

TIVAR H.O.T. [Higher Operating Temperature] is formulated to maintain inherent UHMW-PE key properties over an extended service temperature range, in this way considerably increasing part life in low load bearing applications up to temperatures as high as 125 °C. Special additives reduce the oxidation rate of the material at higher temperatures thereby slowing down material degradation and extending wear-life. TIVAR H.O.T. also features a food contact compliant composition.

# TIVAR® Proprietary Grades

TIVAR® | Borotron®

## **TIVAR Burnguard [UHMW-PE + flame retardant + other additives; colour: black with silver coloured spots]**

TIVAR Burnguard is a UHMW-PE grade containing a very effective non-halogenated flame retardant. Specifically developed to improve the poor flammability behaviour of straight forward virgin polyethylene, it meets the requirements of UL 94 V-0 as of 6 mm thickness and is self-extinguishing. The additives used also render this material static dissipative and considerably improve UV-resistance.

## **TIVAR CleanStat [UHMW-PE + specific additives; colour: black]**

TIVAR CleanStat is a UHMW-PE grade for use in food processing and pharmaceutical industries. It exhibits static dissipative properties and has a food contact compliant composition.

## **TIVAR 1000 ASTL [UHMW-PE + specific additives; colour: black]**

TIVAR 1000 ASTL, based on a UHMW-PE grade with extremely high molecular weight, has been specifically developed for tough anti-abrasion applications. TIVAR 1000 ASTL shows a higher wear and abrasion resistance and a lower surface resistivity than TIVAR 1000 antistatic. The additives used also render this material static dissipative and highly UV-resistant.

## **TIVAR 1000 EC [UHMW-PE + specific additives, electrically conductive; colour: black]**

TIVAR 1000 EC is a UHMW-PE grade containing specific additives rendering this material a lower surface resistivity than TIVAR 1000 antistatic, improving electrical conductivity and UV-resistance.

## **TIVAR MD [UHMW-PE; colour dark grey]**

This PE-UHMW grade with extremely high degree of polymerisation contains a metal detectable additive which does hardly affect the inherent PE-UHMW key properties. TIVAR MD presents excellent toughness and impact strength, an even improved wear and abrasion resistance when compared with TIVAR 1000, and it also features a food contact compliant composition. TIVAR MD has been specifically tailored for use in the food processing and packaging industries where it can easily be traced by the conventional metal detection systems installed to detect contamination of the foodstuffs (results may vary depending on the sensitivity of the metal detection system used).

## **Borotron®**

### **Borotron UH015 | UH030 | UH050 & HM015 | HM030 | HM050**

#### **[UHMW-PE [UH] or HMW-PE [HM] + boron based additives; standard colour: natural]**

Borotron UH and Borotron HM are boron loaded [U]HMW-PE grades, specifically developed for neutron shielding purposes in nuclear installations. The high hydrogen content of [U]HMW-PE makes it very suitable for slowing down fast neutrons to lower energy thermal [slow] neutrons, which are then absorbed by the added boron compound. Whereas both HMW-PE and UHMW-PE are suitable for neutron shielding, UHMW-PE is often preferred because of its better deformation behaviour at high temperatures and its superior impact strength and wear resistance.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DrySlide

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,84	□	-0,0 +0,4	7,75	□
3		5,77	□		10,60	□
4	-0,2 +0,2	7,69	□	-0,2 +0,2	14,10	□
5		9,61	□		17,60	□
6	-0,3 +0,3	11,53	□	-0,3 +0,3	21,00	■
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		-	-		29,70	■
10		-	-		37,00	■
12		-	-		55,10	□
15		30,10	□		55,14	□
20		<b>40,10</b>	■		73,28	□
25		50,10	□		91,40	■
30	-0,2 +0,2	60,10	□	-0,0 +0,4	109,60	■
35		70,14	□		127,70	□
40		<b>80,20</b>	■		145,83	□
45		90,18	□		163,97	□
50		100,20	■		182,10	□
60		120,24	□		218,39	□
70		140,28	□		254,66	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	-	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DrySlide

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	122,30	O.R.
12		146,30	O.R.
15		182,30	O.R.
20		242,30	O.R.
25		302,20	O.R.
30		362,20	O.R.
35		422,20	O.R.
40		482,20	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.

# TIVAR® Proprietary Grades



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® HPV

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10	-0,2 +0,2	20,60	□	-0,0 +0,4	37,00	□
12		24,00	□		44,30	□
15		30,10	□		55,10	□
20		<b>40,10</b>	■		73,30	□
25		50,10	□		<b>91,40</b>	■
30		60,10	□		<b>109,60</b>	■
35		70,10	□		127,70	□
40		<b>80,20</b>	■		145,80	□
45		90,20	□		164,00	□
50		100,20	□		182,10	□
60		120,20	□		218,40	□
70		140,30	□		254,70	□
80		160,30	□		290,90	□
90		180,40	□		327,60	□
100	-0,3 +0,3	200,40	□	-0,0 +0,6	363,90	□
110		220,40	□		400,10	O.R.
120		240,50	□		436,40	O.R.
130		260,50	□		-	-
140		280,60	□		-	-
150		300,60	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1010 x 2010 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® TECH

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
[mm]	[mm]	skived [kg/pce <sup>[2]</sup> ]		[mm]	skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,84	□	-0,0 +0,4	7,75	□
3		5,80	□		10,57	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,09	□
5		9,61	□		17,61	□
6	-0,3 +0,3	11,50	□	-0,3 +0,3	21,10	□
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8		15,72	□		29,70	□
10		20,00	□		37,00	□
12		24,00	□		44,30	□
15		30,10	□		55,10	□
20		<b>40,10</b>	■		73,30	□
25		50,10	□		91,40	□
30	-0,2 +0,2	60,10	□	-0,0 +0,4	109,60	□
35		70,10	□		127,70	□
40		80,20	■		145,83	□
45		90,18	□		163,97	□
50		100,20	□		182,10	□
60		120,24	□		218,40	□
70		140,30	□		254,70	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	436,41	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® TECH

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,80	□	-0,0 +0,4	-	-
10		24,60	□		122,30	O.R.
12		29,50	□		146,30	O.R.
15		36,70	□		182,30	O.R.
20		48,80	□		242,30	O.R.
25		60,80	□		302,20	O.R.
30		72,90	□		362,20	O.R.
35		84,99	□		422,20	O.R.
40		97,10	□		482,20	O.R.
45		109,10	□		-	-
50		121,20	□		-	-
60		145,40	□		-	-
70		169,50	□		-	-
80		193,89	□		-	-
90	218,03	□	-	-		
100	-0,0 +0,6	242,18	□	-0,0 +0,6	-	-
110		266,32	□	-	-	
120		290,47	O.R.	-	-	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, grey

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,80	□	-0,0 +0,4	7,75	□
3		5,80	■		10,57	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,09	□
5		<b>9,60</b>	■		17,61	□
6	-0,3 +0,3	11,50	□	-0,3 +0,3	21,13	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		16,00	■		29,70	■
10		20,00	■		37,00	■
12		24,00	■		44,26	□
15		30,10	■		55,10	■
20		40,10	■		73,30	■
25		50,10	■		91,42	□
30	-0,2 +0,2	60,10	■	-0,0 +0,4	109,60	■
35		70,14	□		127,70	□
40		80,20	■		145,80	■
45		90,18	□		164,00	□
50		100,20	■		182,10	□
60		120,24	■		218,40	□
70		140,30	■		254,66	□
80		160,30	■		291,30	□
90		180,40	■		327,58	□
100		200,40	■		363,86	□
110		220,40	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	436,41	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.





# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, grey

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,80	□	-0,0 +0,4	-	-
10		24,60	□		122,30	O.R.
12		29,50	□		146,30	O.R.
15		36,70	□		182,30	O.R.
20		48,80	□		242,30	O.R.
25		60,80	□		302,20	O.R.
30		72,90	□		362,20	O.R.
35		85,00	□		422,20	O.R.
40		97,10	□		482,20	O.R.
45		109,10	□		-	-
50		121,20	□		-	-
60		145,40	□		-	-
70		169,50	□		-	-
80		193,90	□		-	-
90	218,00	□	-	-		
100	-0,0 +0,6	242,20	□	-0,0 +0,6	-	-
110		266,32	□	-	-	
120		290,50	O.R.	-	-	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, yellow

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,84	□	-0,0 +0,4	7,75	□
3		5,80	□		10,57	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,09	□
5		9,61	□		17,60	□
6	-0,3 +0,3	11,53	□	-0,3 +0,3	21,10	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		16,00	O.R.		29,75	□
10		20,00	□		37,00	□
12		24,00	□		44,26	□
15		30,10	□		55,14	□
20		40,10	□		73,28	□
25		50,10	□		91,42	□
30	-0,2 +0,2	60,10	□	-0,0 +0,4	109,56	□
35		70,14	□		127,69	□
40		80,20	□		145,83	□
45		90,18	□		163,97	□
50		100,20	□		182,11	□
60		120,24	□		218,39	□
70		140,28	□		254,66	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	436,41	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, yellow

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed	
		[kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	122,30	O.R.
12		146,30	O.R.
15		182,30	O.R.
20		242,30	O.R.
25		302,20	O.R.
30		362,20	O.R.
35		422,20	O.R.
40		482,20	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® Ceram P

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,37	□	-	-	-
2		3,95	□	-0,0 +0,4	7,96	□
3		5,92	□		10,85	□
4	-0,2 +0,2	7,89	□	-0,2 +0,2	14,47	□
5		9,87	□		18,08	□
6	-0,3 +0,3	11,80	□	-0,3 +0,3	21,70	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		16,14	O.R.		30,50	□
10		20,60	□		<b>38,00</b>	■
12		24,70	□		45,40	□
15		30,90	□		56,60	□
20		<b>41,20</b>	■		75,20	■
25		51,40	□		93,90	□
30	-0,2 +0,2	61,73	□	-0,0 +0,4	112,50	■
35		72,00	□		131,10	□
40		<b>82,30</b>	■		149,73	□
45		92,59	□		168,36	□
50		<b>102,90</b>	■		186,98	□
60		123,50	□		224,23	□
70		144,03	□		261,47	□
80		164,60	□		299,09	□
90		185,18	□		336,34	□
100		205,75	□		373,59	□
110		226,30	□		410,83	□
120	-0,3 +0,3	246,91	□	-0,0 +0,6	448,08	O.R.
130		267,48	□		-	-
140		288,06	□		-	-
150		308,63	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® Ceram P

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	125,60	O.R.
12		150,20	O.R.
15		187,20	O.R.
20		248,80	O.R.
25		310,30	O.R.
30		371,90	O.R.
35		433,50	O.R.
40		495,10	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® SuperPlus

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10	-0,2 +0,2	20,58	O.R.	-0,0 +0,4	37,99	O.R.
12		24,70	□		45,44	□
15		30,90	□		56,62	□
20		<b>41,20</b>	■		75,24	□
25		51,40	□		93,86	□
30		61,70	□		112,49	□
35		72,00	□		131,11	□
40		<b>82,30</b>	■		149,73	□
45		92,60	□		168,36	□
50		102,88	□		186,98	□
60		123,45	□		224,23	□
70		144,00	□		261,47	□
80		164,60	□		299,09	□
90	-0,3 +0,3	185,18	□	-0,0 +0,6	336,34	□
100		205,75	□		373,59	□
110		226,33	O.R.		410,83	O.R.
120		246,91	O.R.		448,08	O.R.
130		267,48	O.R.		–	–
140		288,06	O.R.		–	–
150	308,63	O.R.	–	–		

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® SuperPlus

PLATES			
Thicknesses	Tolerances on the thickness	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	125,60	O.R.
12		150,20	O.R.
15		187,20	O.R.
20		248,80	O.R.
25		310,30	O.R.
30		371,90	O.R.
35		433,50	O.R.
40		495,10	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® H.O.T.

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	□	-	-	-
2		3,84	□	-0,0 +0,4	7,75	□
3		5,80	□		10,57	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,10	□
5		9,60	□		<b>17,60</b>	■
6	-0,3 +0,3	11,50	□	-0,3 +0,3	21,13	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		16,00	O.R.		<b>29,70</b>	■
10		20,00	□		37,00	□
12		24,00	□		44,26	□
15		30,10	□		55,14	□
20		<b>40,10</b>	■		73,30	■
25		50,10	□		91,42	□
30	-0,2 +0,2	60,10	□	-0,0 +0,4	109,60	■
35		70,14	□		127,69	□
40		<b>80,20</b>	■		145,83	□
45		90,18	□		163,97	□
50		100,20	□		182,11	□
60		120,24	□		218,39	□
70		140,28	□		254,66	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120	-0,3 +0,3	240,48	□	-0,0 +0,6	436,41	O.R.
130		260,52	□		-	-
140		280,55	□		-	-
150		300,59	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.





# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® H.O.T.

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	122,30	O.R.
12		146,30	O.R.
15		182,30	O.R.
20		242,30	O.R.
25		302,20	O.R.
30		362,20	O.R.
35		422,20	O.R.
40		482,20	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® Burnguard

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8	-0,2 +0,2	17,10	O.R.	-0,0 +0,4	31,81	□
10		21,40	■		39,57	□
12		25,70	□		47,33	□
15		32,10	□		59,00	□
20		<b>42,90</b>	■		78,37	□
25		53,60	□		97,77	□
30		64,30	■		117,17	□
35		75,01	□		136,57	□
40		<b>85,70</b>	■		155,97	□
45		96,45	□		175,37	□
50		107,16	□		194,77	□
60		128,60	□		233,57	□
70		150,03	□		272,37	□
80	-0,3 +0,3	171,46	□	-0,0 +0,6	311,55	□
90		192,89	□		350,35	□
100		214,33	□		389,15	□
110		235,76	□		427,95	□
120		257,19	□		466,75	O.R.
130		278,63	□		-	-
140		300,06	□		-	-
150		321,49	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® Burnguard

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	130,80	O.R.
12		156,50	O.R.
15		195,00	O.R.
20		259,10	O.R.
25		323,30	O.R.
30		387,40	O.R.
35		451,50	O.R.
40		515,70	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® CleanStat

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,34	□	-	-	-
2		3,91	□	-0,0 +0,4	7,87	□
3		5,86	□		10,74	□
4	-0,2 +0,2	7,81	□	-0,2 +0,2	14,32	□
5		9,76	□		17,89	□
6	-0,3 +0,3	11,72	□	-0,3 +0,3	21,47	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		15,97	O.R.		30,22	□
10		20,40	■		37,60	□
12		24,43	□		44,97	□
15		30,50	□		56,00	□
20		<b>40,70</b>	■		74,50	□
25		50,90	■		92,90	□
30	-0,2 +0,2	<b>61,10</b>	■	-0,0 +0,4	111,31	□
35		71,26	□		129,74	□
40		81,40	■		148,20	□
45		91,63	□		166,60	□
50		101,80	□		185,00	□
60		122,20	□		221,89	□
70		142,53	□		258,70	□
80		162,89	□		295,98	□
90		183,25	□		332,84	□
100		203,61	□		369,69	□
110		223,97	□		406,55	□
120	-0,3 +0,3	244,33	□	-0,0 +0,6	443,41	O.R.
130		264,69	□		-	-
140		285,06	□		-	-
150		305,42	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® CleanStat

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	124,30	O.R.
12		148,70	O.R.
15		185,20	O.R.
20		246,20	O.R.
25		307,10	O.R.
30		368,00	O.R.
35		429,00	O.R.
40		489,90	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 ASTL

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]	
[mm]	[mm]	skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,30	□
2		3,90	□
3		5,80	□
4	-0,2 +0,2	7,80	□
5		9,70	□
6	-0,3 +0,3	11,70	■

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8		20,00	□		-	-
10		24,90	□		123,80	O.R.
12		29,80	□		149,30	O.R.
15		<b>37,10</b>	■		184,50	O.R.
20		49,30	□		246,30	O.R.
25		61,60	■		305,80	O.R.
30	-0,0 +0,4	73,80	□	-0,0 +0,4	366,50	O.R.
35		86,00	□		427,20	O.R.
40		98,20	■		487,80	O.R.
45		110,42	□		-	-
50		122,60	□		-	-
60		147,10	■		-	-
70		171,50	□		-	-
80		196,20	□		-	-
90		220,60	□		-	-
100	-0,0 +0,6	245,00	□	-0,0 +0,6	-	-
110		269,46	□		-	-
120		293,89	O.R.		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 2020/2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 EC

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,34	□	-	-	-
2		3,91	□	-0,0 +0,4	7,87	□
3		5,86	□		10,74	□
4	-0,2 +0,2	7,80	□	-0,2 +0,2	14,30	□
5		9,76	□		17,89	□
6		11,72	□		21,47	□
8	-0,3 +0,3	15,97	□	-0,3 +0,3	29,73	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10		20,36	□		37,60	□
12		24,43	□		44,97	□
15		30,54	□		56,03	□
20		40,72	□		74,45	□
25		50,90	□		92,90	□
30		61,08	□		111,31	□
35	-0,2 +0,2	71,26	□	-0,0 +0,4	129,74	□
40		81,44	□		148,17	□
45		91,60	□		166,60	□
50		101,81	□		185,03	□
60		122,17	□		221,89	□
70		142,53	□		258,75	□
80		162,89	□		295,98	□
90		183,25	□		332,84	□
100		203,61	□		369,69	□
110		223,97	□		406,55	□
120	-0,3 +0,3	244,33	□	-0,0 +0,6	443,41	O.R.
130		264,69	□		-	-
140		285,06	□		-	-
150		305,42	□		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 EC

PLATES			
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]	
10	-0,0 +0,4	124,30	O.R.
12		148,67	O.R.
15		185,23	O.R.
20		246,17	O.R.
25		307,10	O.R.
30		368,03	O.R.
35		428,96	O.R.
40		489,89	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.





# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

Borotron® UH015 | UH030 | UH050

PLATES										
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ] pressed				Tolerances on the thicknesses	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ] pressed			
		UH015	UH030	UH050			UH015	UH030	UH050	
[mm]	[mm]	[kg/pce <sup>[2]</sup> ]				[mm]	[kg/pce <sup>[2]</sup> ]			
8		–	–	–	–		–	–	–	–
10		20,60	21,00	21,60	O.R.		38,00	38,80	40,00	O.R.
12		24,70	25,20	26,00	□		45,40	46,40	47,80	□
15		30,90	31,50	32,50	□		56,60	57,80	59,60	□
20		41,20	42,00	43,30	□		75,20	76,80	79,20	□
25		51,40	52,50	54,10	□		93,90	95,80	98,80	□
30	-0,2 +0,2	61,70	63,00	64,90	□	-0,0 +0,4	112,50	114,80	118,30	□
35		72,00	73,50	75,80	□		131,10	133,80	137,90	□
40		82,30	84,00	86,60	□		149,70	152,90	157,50	□
45		92,60	94,50	97,40	□		168,40	171,90	177,10	□
50		102,90	105,00	108,20	□		187,00	190,90	196,70	□
60		123,50	126,00	129,90	□		224,20	228,90	235,90	□
70		144,00	147,00	151,50	□		261,50	266,90	275,10	□
80		164,60	168,00	173,20	□		299,10	305,30	314,70	□
90		185,20	189,00	194,80	□		336,30	343,30	353,90	□
100		205,80	210,00	216,50	□		373,60	381,40	393,00	□
110		226,30	231,00	238,10	O.R.		410,80	419,40	432,20	O.R.
120	-0,3 +0,3	246,90	252,00	259,80	O.R.	-0,0 +0,6	448,10	457,40	471,40	O.R.
130		267,50	273,10	281,40	O.R.		–	–	–	–
140		288,10	294,10	303,10	O.R.		–	–	–	–
150		308,60	315,10	324,70	O.R.		–	–	–	–

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1010 x 2020 / 1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® Proprietary Grades

Ultra High Molecular Weight Polyethylene [HMW-PE]

Borotron® HM015 | HM030 | HM050

PLATES										
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ] pressed				Tolerances on the thicknesses	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ] pressed			
		HM015	HM030	HM050			HM015	HM030	HM050	
[mm]	[mm]	[kg/pce <sup>[2]</sup> ]				[mm]	[kg/pce <sup>[2]</sup> ]			
8		–	–	–	–		–	–	–	–
10		21,20	21,60	22,30	O.R.		39,20	40,00	41,20	O.R.
12		25,50	26,00	26,70	□		46,90	47,80	49,20	□
15		31,80	32,50	33,40	□		58,40	59,60	61,30	□
20		42,40	43,30	44,60	■*1		77,60	79,20	81,50	□
25		53,00	54,10	55,70	□		96,80	98,80	101,70	□
30	-0,2 +0,2	63,70	64,90	66,90	□	-0,0 +0,4	116,00	118,30	121,90	□
35		74,30	75,80	78,00	□		135,20	137,90	142,00	□
40		84,90	86,60	89,20	□		154,40	157,50	162,20	□
45		95,50	97,40	100,30	□		173,60	177,10	182,40	□
50		106,10	108,20	111,90	■*2		192,80	196,70	202,60	□
60		127,30	129,90	133,70	□		231,20	235,90	242,90	□
70		148,50	151,50	156,00	□		269,60	275,10	283,30	□
80		169,70	173,20	178,30	□		308,40	314,70	324,00	□
90		191,00	194,80	200,60	□		346,80	353,90	364,40	□
100		212,20	216,50	222,90	□		385,30	393,00	404,70	□
110	-0,3 +0,3	233,40	238,10	245,20	O.R.	-0,0 +0,6	423,70	432,20	445,10	O.R.
120		254,60	259,80	267,50	O.R.		–	–	–	–
130		275,80	281,40	289,80	O.R.		–	–	–	–
140		297,10	303,10	312,10	O.R.		–	–	–	–

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

\*1: semi-standard item valid for HM050 only. HM015 and HM030: non-standard

\*2: semi-standard item valid for HM015 only. HM030 and HM050: non-standard

■: **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■: **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□: **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod.

Please consult us concerning production capabilities and minimum order quantities.

# TIVAR® Proprietary Grades



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® DS, grey

ROUND RODS   PRESSED AND TURNED					
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® DS, grey			
		Standard length: [1000 mm <sup>[1]</sup> / 2000 mm <sup>[2]</sup> ]			
		[kg/1000 mm <sup>[3]</sup> ]		[kg/2000 mm <sup>[3]</sup> ]	
20	-0,0 +1,0	0,31	■	0,65	■
25		0,48	■	0,96	■
30		0,69	■	1,37	■
35		0,93	■	1,85	■
40		1,21	■	2,41	■
45		1,53	□	3,05	□
50		1,88	■	3,75	■
55		2,27	□	4,53	□
60		2,70	■	5,38	■
70		3,66	■	7,31	□
80		4,77	■	9,53	□
90		6,03	■	12,05	□
100		7,44	■	14,85	□
110		8,99	□	–	–
120		10,69	■	–	–
125		11,60	□	–	–
130		12,54	□	–	–
140	14,53	■	–	–	
150	16,68	■	–	–	
160	18,97	□	–	–	
170	21,40	□	–	–	
180	23,99	■	–	–	
190	26,72	□	–	–	
200	29,60	■	–	–	
210	32,62	□	–	–	
220	35,79	□	–	–	
230	39,11	□	–	–	
240	42,58	□	–	–	

<sup>[1]</sup>: tolerances on the length +5/+7 mm

<sup>[2]</sup>: tolerances on the length +15/+17 mm

<sup>[3]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

# TIVAR® Proprietary Grades



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 ASTL

ROUND RODS   PRESSED AND TURNED					
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® 1000 ASTL			
		Standard length: [1000 mm <sup>[1]</sup> / 2000 mm <sup>[2]</sup> ]			
		[kg/1000 mm <sup>[3]</sup> ]		[kg/2000 mm <sup>[3]</sup> ]	
20	-0,0 +1,0	0,31	■	0,62	■
25		0,48	□	0,96	□
30		0,69	□	1,38	□
35		0,93	□	1,87	□
40		1,22	■	2,44	■
45		1,54	□	3,08	□
50		1,90	□	3,79	■
55		2,29	□	4,58	□
60		2,72	□	5,44	□
70		3,70	■	7,40	□
80		4,82	■	9,64	□
90		6,10	□	12,20	□
100		7,52	■	15,04	□
110		9,09	□	18,18	□
120		10,81	□	21,62	□
125		11,71	□	23,43	□
130		12,68	□	25,36	□
140		14,70	■	29,40	□
150		16,87	□	33,74	□
160	-0,0 +2,0	19,18	□	38,36	□
170		21,67	□	43,33	□
180		24,29	□	48,57	□
190		27,06	□	54,12	□
200		29,94	■	59,97	□
210		33,06	□	66,12	□
220		36,28	□	72,56	□
230		39,65	□	79,31	-
240		43,18	□	86,36	-

<sup>[1]</sup>: tolerances on the length +5/+7 mm<sup>[2]</sup>: tolerances on the length +15/+17 mm<sup>[3]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

# TIVAR® Proprietary Grades



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® MD

ROUND RODS			
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® MD	
		Standard length per piece: [3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
25	-0,0*	1,86	■
50		6,44	■
80		14,40	■
Other standard length: [1000 mm <sup>[1]</sup> ]			

<sup>[1]</sup>: tolerance on the length -0 / +60 %

<sup>[2]</sup>: average production weights

\* : with standard plus tolerances

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]



# TIVAR<sup>®</sup> Proprietary Grades

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR<sup>®</sup> MD

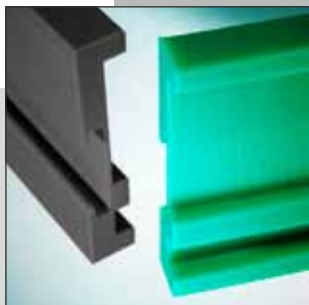
PLATES			
Thicknesses [mm]	Tolerances on the thicknesses [mm]	TIVAR <sup>®</sup> MD	
		Standard size per piece: [1200x3000 mm <sup>[1]</sup> ]	
		[kg/pce <sup>[2]</sup> ]	
25	-0,0 +0,4	91,40	■
40		145,80	■
80	-0,0 +0,6	291,30	■

<sup>[1]</sup>: tolerance on the length +/-10%

<sup>[2]</sup>: average production weights

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## TIVAR® Range of Materials



TIVAR is the brand name of Quadrant Engineering Plastic Products for its extensive range of virgin, partially reprocessed, coloured or modified Ultra High Molecular Weight Polyethylene stock shapes, manufactured by compression moulding or extrusion.

### Main characteristics of the TIVAR range of materials:

- Very good wear and abrasion resistance
- High impact strength, even at low temperatures
- Excellent chemical resistance
- Low density compared with other thermoplastics [U 1 g/cm<sup>3</sup>]
- Low coefficient of friction
- Excellent release properties
- Very low water absorption
- Moderate mechanical strength, stiffness and creep resistance
- Very good electrical insulating and dielectric properties [except static dissipative grades]
- Excellent machinability
- Physiologically inert [several grades are suitable for food contact]
- Good resistance to high energy radiation [gamma- and X-rays]
- Not self-extinguishing [except TIVAR Burnguard]

### TIVAR 1000 [UHMW-PE; standard colours: natural, green, black, blue, red, yellow]

TIVAR 1000 exhibits a very well balanced property profile. It combines a very good wear and abrasion resistance with an outstanding impact strength, even at temperatures below -200 °C.

### TIVAR ECO [UHMW-PE; standard colours: green, black]

This grade, partially composed of reprocessed UHMW-PE material, has an overall lower property level than the virgin TIVAR 1000 and a lower cost. Compared with virgin PE 500, however, it has a much better impact strength and wear resistance. Our TIVAR ECO grades show a favourable price-performance ratio for applications in many kinds of industries with less demanding requirements.

### TIVAR 1000 antistatic [UHMW-PE + additive; static dissipative; colour: black]

By incorporating an effective carbon black grade, TIVAR 1000 antistatic offers the electrostatic dissipative properties often required for UHMW-PE components operating at high line speeds and conveying rates, maintaining the inherent key characteristics of UHMW-PE.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 natural

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,30	■	-	-	-
2		3,80	■	-0,0 +0,4	7,70	■
3		5,80	■		10,60	■
4	-0,2 +0,2	7,70	■	-0,2 +0,2	14,10	■
5		9,60	■		17,60	■
6		11,50	■		21,10	■
8	-0,3 +0,3	15,40	■	-0,3 +0,3	28,20	■
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10		20,00	■		37,00	■
12		24,00	■		44,30	■
15		30,10	■		55,10	■
20		40,10	■		73,30	■
25		50,10	■		91,40	■
30		60,10	■		109,60	■
35	-0,2 +0,2	70,10	■	-0,0 +0,4	127,70	■
40		80,20	■		145,80	■
45		90,20	□		164,00	□
50		100,20	■		182,10	■
60		120,20	■		218,40	■
70		140,30	□		254,66	□
80		160,30	■		291,30	□
90		180,40	□		327,60	□
100		200,40	■		363,90	□
110		220,44	□		400,13	□
120		240,48	□		436,41	O.R.
130		260,52	□		472,70	O.R.
140	-0,3 +0,3	280,55	□	-0,0 +0,6	509,00	O.R.
150		300,59	□		545,20	O.R.
160		320,60	O.R.		581,50	O.R.
170		340,70	O.R.		-	-
180		360,70	O.R.		-	-
190		380,80	O.R.		-	-
200		400,80	O.R.		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.





# TIVAR® [UHMW-PE]

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 natural

PLATES							
Thicknesses	Tolerances on the thicknesses	Standard length per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Standard length per piece: [1330 x 3050 mm <sup>[1]</sup> ]		Standard length per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		pressed [kg/pce <sup>[2]</sup> ]		pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,80	□	32,40	□	98,35	O.R.
10		24,60	□	40,30	□	122,34	O.R.
12		29,50	□	48,20	□	146,33	O.R.
15		36,70	□	60,05	□	182,31	O.R.
20		48,80	■	79,81	□	242,28	O.R.
25		60,80	□	99,56	□	302,25	O.R.
30		72,90	■	119,31	□	362,22	O.R.
35		85,00	□	139,07	□	422,19	O.R.
40		97,10	■	158,82	□	482,16	O.R.
45		109,10	□	178,58	□	543,30	O.R.
50		121,20	□	198,33	□	603,30	O.R.
60		145,40	□	237,84	□	723,20	O.R.
70		169,50	□	277,35	□	843,20	O.R.
80		-0,0 +0,6	193,90	□	317,25	□	963,10
90	218,00		□	356,76	□	1 083,10	O.R.
100	242,20		□	396,27	□	1 203,00	O.R.
110	266,30		□	435,77	□	-	-
120	290,47		O.R.	475,28	O.R.	-	-
130	314,60		O.R.	-	-	-	-
140	338,80		O.R.	-	-	-	-
150	362,90		O.R.	-	-	-	-
160	387,00	O.R.	-	-	-	-	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 1330 x 3050 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 green

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,30	■	-	-	-
2		3,80	■	-0,0 +0,4	7,70	□
3		5,80	■		10,60	□
4	-0,2 +0,2	7,70	■	-0,2 +0,2	14,10	□
5		9,60	■		17,60	□
6		11,50	■		21,10	□
8	-0,3 +0,3	15,40	■	-0,3 +0,3	28,20	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10		20,00	■		37,00	■
12		24,00	■		44,26	■
15		30,10	■		55,10	■
20		40,10	■		73,30	■
25		50,10	■		91,40	□
30		60,10	■		109,60	□
35	-0,2 +0,2	70,10	□	-0,0 +0,4	127,70	□
40		80,20	■		145,80	□
45		90,20	□		163,97	□
50		100,20	■		182,10	□
60		120,20	■		218,40	■
70		140,30	□		254,66	□
80		160,30	■		291,30	□
90		180,40	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120		240,48	□		436,41	O.R.
130		260,52	□		472,70	O.R.
140	-0,3 +0,3	280,55	□	-0,0 +0,6	509,00	O.R.
150		300,59	□		549,20	O.R.
160		320,60	O.R.		581,50	O.R.
170		340,70	O.R.		-	-
180		360,70	O.R.		-	-
190		380,80	O.R.		-	-
200		400,80	O.R.		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® [UHMW-PE]

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 green

PLATES							
Thicknesses	Tolerances on the thicknesses	Standard length per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Standard length per piece: [1330 x 3050 mm <sup>[1]</sup> ]		Standard length per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed		pressed		pressed	
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,80	□	32,40	□	98,35	O.R.
10		24,60	□	40,30	□	122,34	O.R.
12		29,50	□	48,20	□	146,33	O.R.
15		36,70	□	60,05	□	182,31	O.R.
20		48,20	□	79,81	□	242,28	O.R.
25		60,80	□	99,56	□	302,25	O.R.
30		72,90	□	119,31	□	362,22	O.R.
35		85,00	□	139,07	□	422,19	O.R.
40		97,10	□	158,82	□	482,16	O.R.
45		109,10	□	178,58	□	543,30	O.R.
50		121,20	□	198,33	□	603,30	O.R.
60		145,40	□	237,84	□	723,20	O.R.
70		169,50	□	277,35	□	843,20	O.R.
80		-0,0 +0,6	193,89	□	317,25	□	963,10
90	218,03		□	356,76	□	1.083,10	O.R.
100	242,20		□	396,27	□	1.203,00	O.R.
110	266,30		□	435,77	□	–	–
120	290,47		O.R.	475,28	O.R.	–	–
130	314,60		O.R.	–	–	–	–
140	338,80		O.R.	–	–	–	–
150	362,90		O.R.	–	–	–	–
160	387,00		O.R.	–	–	–	–
170	–		–	–	–	–	–
195	–		–	–	–	–	–
250	–	–	–	–	–	–	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 1330 x 3050 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® [UHMW-PE]

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 other colours

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,31	-	-	-	-
2		3,84	□	-0,0 +0,4	7,75	□
3		5,77	□		10,57	□
4	-0,2 +0,2	7,69	□	-0,2 +0,2	14,09	□
5		9,61	□		17,60	□
6	-0,3 +0,3	11,53	□	-0,3 +0,3	21,13	□

Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8		16,00	□		29,26	□
10		20,00	□		37,00	□
12		24,05	□		44,26	□
15		30,06	□		55,14	□
20		40,08	□		73,28	□
25		50,10	□		91,42	□
30	-0,2 +0,2	60,12	□	-0,0 +0,4	109,56	□
35		70,14	□		127,69	□
40		80,16	□		145,83	□
45		90,18	□		163,97	□
50		100,20	□		182,11	□
60		120,24	□		218,39	□
70		140,28	□		254,66	□
80		160,32	□		291,30	□
90		180,36	□		327,58	□
100		200,40	□		363,86	□
110		220,44	□		400,13	□
120		240,48	□		436,41	O.R.
130		260,52	□		472,70	O.R.
140	-0,3 +0,3	280,55	□	-0,0 +0,6	509,00	O.R.
150		300,59	O.R.		545,20	O.R.
160		320,60	O.R.		581,50	O.R.
170		340,70	O.R.		-	-
180		360,70	O.R.		-	-
190		380,80	O.R.		-	-
200		400,80	O.R.		-	-

Colours available: TIVAR® 1000 blue/TIVAR® 1000 red/TIVAR® 1000 yellow/TIVAR® 1000 black

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.



# TIVAR® [UHMW-PE]

Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 other colours

PLATES							
Thicknesses	Tolerances on the thicknesses	Standard length per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Standard length per piece: [1330 x 3050 mm <sup>[1]</sup> ]		Standard length per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed		pressed		pressed	
		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,80	□	32,40	□	98,35	O.R.
10		24,63	□	40,30	□	122,34	O.R.
12		29,46	□	48,20	□	146,33	O.R.
15		36,70	□	60,05	□	182,31	O.R.
20		48,80	□	79,81	□	242,28	O.R.
25		60,85	□	99,56	□	302,25	O.R.
30		72,92	□	119,31	□	362,22	O.R.
35		84,99	□	139,07	□	422,19	O.R.
40		97,06	□	158,82	□	482,16	O.R.
45		109,10	□	178,58	□	543,30	O.R.
50		121,21	□	198,33	□	603,30	O.R.
60		145,35	□	237,84	□	723,20	O.R.
70		169,50	□	277,35	□	843,20	O.R.
80		193,89	□	317,25	□	963,10	O.R.
90	218,03	□	356,76	□	1 083,10	O.R.	
100	242,18	□	396,27	□	1 203,00	O.R.	
110	266,32	□	435,77	□	–	–	
120	-0,0 +0,6	290,47	O.R.	475,28	O.R.	–	–
130		314,60	O.R.	–	–	–	–
140		338,80	O.R.	–	–	–	–
150		362,90	O.R.	–	–	–	–
160		387,00	O.R.	–	–	–	–

**Colours available:** TIVAR® 1000 blue/TIVAR® 1000 red/TIVAR® 1000 yellow/TIVAR® 1000 black

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020/1330 x 3050/2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 antistatic

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
		skived [kg/pce <sup>[2]</sup> ]			skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	2,30	■	-	-	-
2		3,80	■	-0,0 +0,4	7,70	□
3		5,80	■		10,60	□
4	-0,2 +0,2	7,70	■	-0,2 +0,2	14,10	□
5		9,60	■		17,60	□
6	-0,3 +0,3	11,50	■	-0,3 +0,3	21,10	□
8		15,40	■		28,20	□
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
10		20,00	■		37,00	■
12		24,00	■		44,30	■
15		30,10	■		55,10	■
20		40,10	■		73,30	■
25		50,10	■		91,40	■
30		60,10	■		109,60	■
35	-0,2 +0,2	70,10	□	-0,0 +0,4	127,70	□
40		80,20	■		145,80	□
45		91,63	□		164,00	□
50		100,20	■		182,10	□
60		120,20	■		218,40	□
70		142,53	□		254,70	□
80		160,30	■		291,30	■
90		183,25	□		332,84	□
100		200,40	□		369,69	□
110		220,40	□		406,55	□
120		244,33	□		443,41	O.R.
130		264,69	□		472,70	O.R.
140	-0,3 +0,3	285,06	□	-0,0 +0,6	509,00	O.R.
150		305,42	□		545,20	O.R.
160		320,60	O.R.		581,50	O.R.
170		340,70	O.R.		-	-
180		360,70	O.R.		-	-
190		380,80	O.R.		-	-
200		400,80	O.R.		-	-

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.  
Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 antistatic

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1330 x 3050 mm <sup>[1]</sup> ]		Tolerances on the thickness	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	32,92	□	-0,0 +0,4	99,93	O.R.
10		40,30	□		124,30	O.R.
12		48,97	□		148,67	O.R.
15		61,02	□		185,23	O.R.
20		81,09	□		246,17	O.R.
25		101,16	□		307,10	O.R.
30		121,23	□		368,03	O.R.
35		141,30	□		428,96	O.R.
40		161,37	□		489,89	O.R.
45		181,44	□		543,30	O.R.
50		201,51	□		603,30	O.R.
60		241,65	□		723,20	O.R.
70		281,80	□		843,20	O.R.
80	-0,0 +0,6	322,34	□	-0,0 +0,6	963,10	O.R.
90		362,48	□		1083,10	O.R.
100		402,62	□		1203,00	O.R.
110		442,76	□		–	–
120		482,91	O.R.		–	–

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1330 x 3050/2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.  
Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® ECO green

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
[mm]	[mm]	skived [kg/pce <sup>[2]</sup> ]		[mm]	skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	-	-	-	-	-
2		3,90	□	-0,0 +0,4	7,79	□
3		5,80	□		10,60	□
4	-0,2 +0,2	7,70	□	-0,2 +0,2	14,20	□
5		9,70	□		17,70	□
6	-0,3 +0,3	11,60	□	-0,3 +0,3	21,20	□
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8		16,10	■		29,90	■
10		<b>20,10</b>	■		<b>37,20</b>	■
12		24,20	■		44,50	■
15		<b>30,20</b>	■		<b>55,40</b>	■
20		<b>40,30</b>	■		<b>73,70</b>	■
25		<b>50,40</b>	■		<b>91,90</b>	■
30	-0,2 +0,2	<b>60,40</b>	■	-0,0 +0,4	<b>110,10</b>	■
35		70,50	□		128,40	□
40		<b>80,60</b>	■		<b>146,60</b>	■
45		90,66	□		164,80	□
50		100,70	■		183,10	■
60		<b>120,90</b>	■		<b>219,60</b>	■
70		141,00	□		256,00	□
80		161,20	■		292,90	■
90		181,32	□		329,30	□
100		201,50	□		365,80	□
110		221,61	□		402,27	□
120	-0,3 +0,3	241,76	□	-0,0 +0,6	438,74	O.R.
130		261,91	□		475,20	O.R.
140		282,05	□		511,70	O.R.
150		302,20	□		548,20	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.  
Please consult us concerning production capabilities and minimum order quantities.



## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® ECO green

PLATES						
Thicknesses [mm]	Tolerances on the thicknesses [mm]	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses [mm]	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
		pressed [kg/pce <sup>[2]</sup> ]			pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	19,90	□	-0,0 +0,4	98,88	O.R.
10		24,80	□		122,99	O.R.
12		29,60	□		147,11	O.R.
15		36,90	□		183,28	O.R.
20		49,00	□		243,57	O.R.
25		61,20	□		303,87	O.R.
30		73,30	□		364,16	O.R.
35		85,40	□		424,45	O.R.
40		97,60	□		484,74	O.R.
45		109,70	□		546,20	O.R.
50		121,90	□		606,50	O.R.
60		146,10	□		727,10	O.R.
70		170,40	□		847,70	O.R.
80		194,90	□		968,30	O.R.
90	219,20	□	1 088,90	O.R.		
100	243,50	□	1 209,40	O.R.		
110	-0,0 +0,6	267,75	□	-	-	
120		292,02	O.R.	-	-	
130		-	-	-	-	
140		-	-	-	-	
150		-	-	-	-	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.

Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® ECO black antistatic

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1000 x 2000 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3000 mm <sup>[1]</sup> ]	
[mm]	[mm]	skived [kg/pce <sup>[2]</sup> ]		[mm]	skived [kg/pce <sup>[2]</sup> ]	
1	-0,0 +0,4	-	-	-	-	-
2		3,90	□	-0,0 +0,4	7,87	□
3		5,90	■		10,70	□
4	-0,2 +0,2	7,80	□	-0,2 +0,2	14,30	□
5		9,80	□		17,90	□
6	-0,3 +0,3	11,70	□	-0,3 +0,3	21,50	□
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1010 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [1220 x 3050 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8		16,30	■		30,20	■
10		20,40	■		37,60	■
12		24,40	■		45,00	■
15		30,50	■		56,00	■
20		40,70	■		74,50	■
25		50,90	■		92,90	■
30	-0,2 +0,2	61,10	■	-0,0 +0,4	111,30	■
35		71,26	□		129,70	□
40		81,40	■		148,20	■
45		91,63	□		166,60	□
50		101,80	■		185,00	■
60		122,20	■		221,90	■
70		142,50	□		258,70	□
80		162,90	■		296,00	■
90		183,25	□		332,84	□
100		203,60	□		369,69	□
110		223,97	□		406,55	□
120	-0,3 +0,3	244,33	□	-0,0 +0,6	443,41	O.R.
130		264,69	□		480,30	O.R.
140		285,06	□		517,10	O.R.
150		305,42	□		554,00	O.R.
160		314,60	O.R.		590,80	O.R.

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1000 x 2000	-0,0 +10,0	-0,0 +10,0
1220 x 3000	-0,0 +10,0	-0,0 +30,0
1010 x 2020/1220 x 3050	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.  
Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® ECO black antistatic

PLATES						
Thicknesses	Tolerances on the thicknesses	Standard size per piece: [1220 x 2020 mm <sup>[1]</sup> ]		Tolerances on the thicknesses	Standard size per piece: [2020 x 6150 mm <sup>[1]</sup> ]	
[mm]	[mm]	pressed [kg/pce <sup>[2]</sup> ]		[mm]	pressed [kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4	20,10	□	-0,0 +0,4	99,93	O.R.
10		25,00	□		124,30	O.R.
12		29,90	□		148,67	O.R.
15		37,30	□		186,50	O.R.
20		49,60	□		246,17	O.R.
25		61,80	□		307,10	O.R.
30		74,10	□		368,03	O.R.
35		86,40	□		428,96	O.R.
40		98,60	□		489,89	O.R.
45		110,90	□		552,00	O.R.
50		123,20	□		613,00	O.R.
60		147,70	□		734,80	O.R.
70		172,22	□		856,70	O.R.
80		197,00	□		978,60	O.R.
90	221,50	□	1 100,40	O.R.		
100	246,10	□	1 222,30	O.R.		
110	270,60	□	-	-		
120	-0,0 +0,6	295,13	O.R.	-	-	
130		319,70	O.R.	-	-	
140		344,20	O.R.	-	-	
150		368,70	O.R.	-	-	
160		393,30	O.R.	-	-	

<sup>[1]</sup>: tolerances on widths and lengths [mm]:

plate size	width	length
1220 x 2020 / 2020 x 6150	-0,0 +30,0	-0,0 +60,0

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses.  
Please consult us concerning production capabilities and minimum order quantities.

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 natural  
TIVAR® 1000 black  
TIVAR® 1000 green

ROUND RODS   EXTRUDED						
Diameters [mm]	Tolerances on the diameters [mm]	Weight		TIVAR® 1000 natural	TIVAR® 1000 black	TIVAR® 1000 green
		[kg/1000 mm <sup>[1]</sup> ]	[kg/2000 mm <sup>[1]</sup> ]	Standard length per piece: [2000 mm <sup>[2]</sup> ]		
12,7	+0,2 +0,7	0,13	0,25	■	□	■
15	+0,2 +0,8	0,18	0,35	□	□	□
20	+0,2 +1,0	0,32	0,63	■	■	■
25	+0,2 +1,1	0,50	1,00	■	■	■
30	+0,2 +1,2	0,70	1,40	■	■	■
35	+0,2 +1,3	1,00	1,90	■	■	■
40	+0,2 +1,5	1,30	2,50	■	■	■
45	+0,3 +1,7	1,60	3,20	■	□	□
50		2,00	3,90	■	■	■
55	+0,3 +2,0	2,40	4,80	□	□	□
60	+0,3 +2,3	2,90	5,70	■	■	■
65		3,40	6,60	□	□	□
70	+0,3 +2,5	4,00	7,70	■	■	■
75		4,60	8,90	□	□	□
80	+0,4 +3,0	5,20	10,10	■	■	■
85	+0,5 +3,4	5,90	11,40	□	□	□
90	+0,5 +3,4	6,60	12,70	■	■	■
100	+0,6 +3,8	8,10	15,70	■	■	■
110	+0,7 +4,2	9,80	19,00	■	■	■
120		11,70	22,70	■	■	■
125	+0,8 +4,6	12,70	24,60	■	□	□
130		13,70	26,60	■	■	■
140	+0,9 +5,4	15,90	30,80	■	■	■
150	+1,0 +5,8	18,20	35,40	■	■	□
160	+1,1 +6,3	20,70	40,30	■	■	■
170	–	–	–	O.R.	O.R.	O.R.
180	+1,2 +7,4	26,20	51,00	■	■	■
190	–	–	–	O.R.	O.R.	O.R.
200	+1,3 +8,5	32,40	63,00	■	■	■
250	–	50,62	100,00	O.R.	O.R.	O.R.

<sup>[1]</sup>: average production weight<sup>[2]</sup>: tolerances on the length -0/+60 mm■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 natural

TIVAR® 1000 green

ROUND RODS   PRESSED AND TURNED									
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® 1000 natural				TIVAR® 1000 green			
		Standard length per piece: [1000 mm/2000 mm <sup>[1]</sup> ]							
		[kg/1000 mm <sup>[2]</sup> ]		[kg/2000 mm <sup>[2]</sup> ]		[kg/1000 mm <sup>[2]</sup> ]		[kg/2000 mm <sup>[2]</sup> ]	
20	-0,0 +1,0	0,31	□	<b>0,62</b>	■	<b>0,32</b>	■	0,62	□
25		0,48	□	0,96	□	<b>0,50</b>	■	0,96	□
30		0,69	□	<b>1,37</b>	■	<b>0,70</b>	■	1,37	□
35		0,93	□	1,85	□	<b>1,00</b>	■	1,85	□
40		1,21	□	<b>2,41</b>	■	<b>1,30</b>	■	2,41	□
45		1,53	□	3,05	□	1,60	□	3,05	□
50		1,88	□	<b>3,75</b>	■	<b>2,00</b>	■	3,75	□
55		2,27	□	4,53	□	2,40	□	4,54	□
60		2,70	□	<b>5,38</b>	■	<b>2,90</b>	■	5,38	□
70		3,66	□	7,31	□	<b>4,00</b>	■	7,32	□
80		<b>4,77</b>	■	9,53	□	<b>5,20</b>	■	9,54	□
90		6,03	□	12,05	□	<b>6,60</b>	■	12,06	□
100		<b>7,44</b>	■	14,85	□	<b>8,10</b>	■	14,87	□
110		8,99	□	–	–	<b>9,80</b>	■	–	–
120		10,69	□	–	–	<b>11,70</b>	■	–	–
125		11,60	□	–	–	12,70	□	–	–
130		12,54	□	–	–	<b>13,70</b>	■	–	–
140	14,53	□	–	–	<b>15,90</b>	■	–	–	
150	16,68	□	–	–	18,20	□	–	–	
160	18,96	□	–	–	<b>20,70</b>	■	–	–	
170	21,40	□	–	–	23,30	O.R.	–	–	
180	23,99	□	–	–	<b>26,20</b>	■	–	–	
190	26,72	□	–	–	29,20	O.R.	–	–	
200	29,59	□	–	–	<b>32,40</b>	■	–	–	
210	32,62	□	–	–	32,62	□	–	–	
220	35,79	□	–	–	35,79	□	–	–	
230	39,11	□	–	–	39,11	□	–	–	
240	42,58	□	–	–	42,58	□	–	–	

<sup>[1]</sup>: tolerances on the length -0/+60 mm<sup>[2]</sup>: average production weight■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

## TIVAR® [UHMW-PE]



Ultra High Molecular Weight Polyethylene [UHMW-PE]

TIVAR® 1000 antistatic

ROUND RODS   PRESSED AND TURNED					
Diameters [mm]	Tolerances on the diameters [mm]	TIVAR® 1000 antistatic			
		Standard length per piece: [2000 mm <sup>[1]</sup> ]			
		[kg/1000 mm <sup>[2]</sup> ]		[kg/2000 mm <sup>[2]</sup> ]	
20	-0,0 +1,0	0,32	□	0,63	□
25		0,49	□	0,97	□
30		0,70	□	1,39	□
35		0,94	□	1,88	□
40		1,23	□	2,45	□
45		1,55	□	3,09	□
50		1,91	□	3,81	□
55		2,31	□	4,60	□
60		2,74	□	5,47	□
70		3,72	□	7,43	□
80		4,85	□	9,68	□
90		6,13	□	12,24	□
100		7,56	□	15,09	□
110		9,13	□	18,24	□
120		10,86	□	21,70	□
125		11,78	□	23,53	□
130		12,74	□	25,45	□
140	14,77	□	29,49	□	
150	16,94	□	33,84	□	
160	19,27	□	38,49	□	
170	21,74	□	48,68	□	
180	24,37	□	60,06	□	
190	27,14	□	66,20	□	
200	30,07	□	72,64	□	
210	33,14	□	79,38	□	
220	36,37	□	86,42	□	
230	39,74	□	79,38	-	
240	43,26	□	86,42	-	

<sup>[1]</sup>: tolerances on the length -0/+60 mm

<sup>[2]</sup>: average production weight

- : **standard** item [generally available from stock; bulk quantities to be manufactured to order]
- ▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]
- : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

## Polyethylene Plastics: PE 500



In less demanding applications with respect to wear and impact resistance, PE 500 may present an economical alternative for the TIVAR® standard grades. It is a versatile polyethylene grade used mainly in the food industry [meat and fish processing] but it is also employed in all kinds of mechanical, chemical and electrical applications.

## PE 500 [HMW-PE]



High Molecular Weight Polyethylene [HMW-PE]

PE 500 natural

PE 500 CM+, natural

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	PE 500 natural							
		Standard sizes per piece:							
		[1010 x 2020 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[1220 x 2020 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[1220 x 3050 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[2020 x 6150 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]	
8	-0,3 +0,3	16,50	□	20,30	□	<b>30,50</b>	■	100,98	O.R.
10		<b>20,60</b>	■	25,30	□	<b>38,00</b>	■	125,61	O.R.
12		<b>24,70</b>	■	30,20	□	<b>45,40</b>	■	150,24	O.R.
15		<b>30,90</b>	■	37,70	□	<b>56,60</b>	■	187,18	O.R.
20		<b>41,20</b>	■	50,10	□	<b>75,20</b>	■	248,76	O.R.
25		<b>51,40</b>	■	62,50	□	93,90	▣	310,33	O.R.
30	-0,0 +0,4 <sup>[3]</sup>	<b>61,70</b>	■	74,90	□	<b>112,50</b>	■	371,90	O.R.
35		72,01	□	87,30	□	131,10	□	433,48	O.R.
40		<b>82,30</b>	■	99,70	□	<b>149,70</b>	■	495,05	O.R.
45		92,59	□	112,10	□	168,40	□	557,90	O.R.
50		<b>102,90</b>	■	124,50	□	<b>187,00</b>	■	619,40	O.R.
60		<b>123,50</b>	■	149,20	□	<b>224,20</b>	■	742,60	O.R.
70		144,00	▣	174,00	□	261,50	□	865,70	O.R.
80		<b>164,60</b>	■	199,10	□	299,10	▣	988,90	O.R.
90		185,20	□	223,90	□	336,30	□	1 112,00	O.R.
100		<b>205,80</b>	■	248,70	□	<b>373,60</b>	■	1 235,20	O.R.
110		226,33	□	273,40	O.R.	410,83	O.R.	–	–
120	-0,0 +0,6 <sup>[3]</sup>	246,91	□	298,20	O.R.	448,10	O.R.	–	–
130		267,48	□	323,00	O.R.	485,30	O.R.	–	–
140		288,06	□	347,80	O.R.	522,60	O.R.	–	–
150		308,60	O.R.	372,60	O.R.	559,80	O.R.	–	–
160		329,20	O.R.	397,40	O.R.	597,10	O.R.	–	–

Thicknesses [mm]	PE 500 CM+ natural Standard size per piece: [1000 x 2000 mm <sup>[4]</sup> skived [kg/pce <sup>[2]</sup> ]	Thicknesses [mm]	PE 500 CM+ natural Standard size per piece: [1220 x 3000 mm <sup>[4]</sup> skived [kg/pce <sup>[2]</sup> ]	Thicknesses [mm]	PE 500 natural Standard size per piece: [1000 x 2000 mm] extruded [kg/pce <sup>[2]</sup> ]
2	3,90 □	2	8,00 □	2	3,90 O.R.
3	5,90 □	3	10,80 □	3	5,80 O.R.
4	7,90 □	4	14,50 □	4	7,70 O.R.
5	9,90 □	5	18,10 □	5	9,60 O.R.
6	11,80 □	6	21,70 □	6	11,60 O.R.
8	15,80 □	8	28,90 □	8	15,40 O.R.
10	19,70 □	10	36,20 □	10	19,10 O.R.
12	23,70 □	12	43,40 □	12	22,90 O.R.
–	–	–	–	15	28,60 O.R.

<sup>[1]</sup>: Tolerances on widths and lengths [mm] for all dimensions: width -0/+30; length -0/+60<sup>[2]</sup>: average production weight<sup>[3]</sup>: size 2020 x 1010 mm, thicknesses 10–70 mm: tolerance on thickness -0,2/+0,2 mm

size 2020 x 1010 mm, thicknesses 80–160 mm: tolerance on thickness -0,3/+0,3 mm

<sup>[4]</sup>: plate size: 1000 x 2000; width: -0,0/+10,0; length: -0,0/+10,0 | plate size: 1220 x 3000; width: -0,0/+10,0; length: -0,0/+30,0■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions;  
improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod.

Please consult us concerning production capabilities and minimum order quantities.



# PE 500 [HMW-PE]



High Molecular Weight Polyethylene [HMW-PE]

PE 500 green  
PE 500 CM+ green

PLATES									
Thicknesses	Tolerances on the thicknesses	PE 500 green							
		Standard sizes per piece:							
		[1010 x 2020 mm <sup>[1]</sup> pressed		[1220 x 2020 mm <sup>[1]</sup> pressed		[1220 x 3050 mm <sup>[1]</sup> pressed		[2020 x 6150 mm <sup>[1]</sup> pressed	
[mm]	[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
8	-0,0 +0,4 <sup>[3]</sup>	16,50	□	20,30	□	30,54	□	100,98	O.R.
10		20,60	■	25,30	□	38,00	□	125,61	O.R.
12		24,70	□	30,20	□	45,40	□	150,24	O.R.
15		30,90	■	37,70	□	56,60	■	187,18	O.R.
20		41,20	■	50,10	□	75,20	■	248,76	O.R.
25		51,40	□	62,50	□	93,90	■	310,33	O.R.
30		61,70	■	74,90	□	112,50	□	371,90	O.R.
35		72,00	□	87,30	□	131,11	□	433,48	O.R.
40		82,30	■	99,70	□	149,70	□	495,05	O.R.
45		92,59	□	112,05	□	168,36	□	557,90	O.R.
50		102,90	■	124,50	□	186,98	□	619,40	O.R.
60		123,45	□	149,24	□	224,20	□	742,60	O.R.
70		144,03	□	174,03	□	261,47	□	865,70	O.R.
80		164,60	□	199,07	□	299,09	□	988,90	O.R.
90		185,18	□	223,86	□	336,34	□	1 112,00	O.R.
100	205,75	□	248,70	□	373,59	□	1 235,20	O.R.	
110	-0,0 +0,6 <sup>[3]</sup>	226,33	□	273,44	O.R.	410,83	O.R.	-	-
120		246,91	□	298,20	O.R.	448,10	O.R.	-	-
130		267,48	□	323,00	O.R.	485,30	O.R.	-	-
140		288,06	□	347,80	O.R.	522,60	O.R.	-	-
150		308,60	O.R.	372,60	O.R.	559,80	O.R.	-	-
160		329,20	O.R.	397,40	O.R.	597,10	O.R.	-	-

Thicknesses	PE 500 CM+, green			
	Standard size per piece:			
	[1000 x 2000 mm <sup>[4]</sup> skived		[1220 x 3000 mm <sup>[4]</sup> skived	
[mm]	[kg/pce <sup>[2]</sup> ]		[kg/pce <sup>[2]</sup> ]	
2	3,90	□	8,00	□
3	5,90	□	10,80	□
4	7,90	□	14,50	□
5	9,90	□	18,10	□
6	11,80	□	21,70	□
8	15,80	□	28,90	□
10	19,70	□	36,20	□
12	23,70	□	43,40	□

<sup>[1]</sup>: Tolerances on widths and lengths [mm] for all dimensions: width -0/+30; length -0/+60

<sup>[2]</sup>: average production weight

<sup>[3]</sup>: size 2020 x 1010 mm, thicknesses 10–70 mm: tolerance on thickness -0,2/+0,2 mm  
size 2020 x 1010 mm, thicknesses 80–160 mm: tolerance on thickness -0,3/+0,3 mm

<sup>[4]</sup>: plate size: 1000 x 2000; width: -0,0/+10,0; length: -0,0/+10,0 | plate size: 1220 x 3000; width: -0,0/+10,0; length: -0,0/+30,0

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

■ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod. Please consult us concerning production capabilities and minimum order quantities.

# PE 500 [HMW-PE]



High Molecular Weight Polyethylene[HMW-PE]

PE 500 black

PE 500 CM+ black

## PLATES

Thicknesses [mm]	Tolerances on the thicknesses [mm]	PE 500 black							
		Standard sizes per piece:							
		[1010 x 2020 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[1220 x 2020 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[1220 x 3050 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]		[2020 x 6150 mm <sup>[1]</sup> pressed [kg/pce <sup>[2]</sup> ]	
8	-0,2 +0,2	16,50	□	20,30	□	<b>30,50</b>	■	100,98	O.R.
10		<b>20,60</b>	■	25,30	□	38,00	□	125,61	O.R.
12		<b>24,70</b>	■	30,20	□	45,40	□	150,24	O.R.
15		<b>30,90</b>	■	37,70	□	<b>56,60</b>	■	187,18	O.R.
20		<b>41,20</b>	■	50,10	□	<b>75,20</b>	■	248,76	O.R.
25		51,40	▣	62,50	□	<b>93,90</b>	■	310,33	O.R.
30	-0,0 +0,4 <sup>[3]</sup>	<b>61,70</b>	■	74,90	□	<b>112,50</b>	■	371,90	O.R.
35		72,00	□	87,30	□	131,10	□	433,48	O.R.
40		<b>82,30</b>	■	99,70	□	<b>149,70</b>	■	495,05	O.R.
45		92,60	□	112,05	□	168,40	□	557,90	O.R.
50		102,90	▣	124,50	□	<b>187,00</b>	■	619,40	O.R.
60		123,50	▣	149,20	□	224,20	□	742,60	O.R.
70		144,00	□	174,00	□	261,50	□	865,70	O.R.
80		164,60	▣	199,10	□	299,09	□	988,90	O.R.
90		185,18	□	223,90	□	336,34	□	1 112,00	O.R.
100		205,75	□	248,70	□	373,59	□	1 235,20	O.R.
110		226,33	□	273,44	O.R.	410,83	O.R.	-	-
120	-0,0 +0,6 <sup>[3]</sup>	246,91	□	298,20	O.R.	448,10	O.R.	-	-
130		267,48	□	323,00	O.R.	485,30	O.R.	-	-
140		288,06	□	347,80	O.R.	522,60	O.R.	-	-
150		308,60	O.R.	372,60	O.R.	559,80	O.R.	-	-
160		329,20	O.R.	397,40	O.R.	597,10	O.R.	-	-

Thicknesses [mm]	PE 500 CM+, black			
	Standard size per piece:			
	[1000 x 2000 mm <sup>[4]</sup> skived [kg/pce <sup>[2]</sup> ]		[1220 x 3000 mm <sup>[4]</sup> skived [kg/pce <sup>[2]</sup> ]	
2	3,90	□	8,00	□
3	5,90	□	10,80	□
4	7,90	□	14,50	□
5	9,90	□	18,10	□
6	11,80	□	21,70	□
8	15,80	□	28,90	□
10	19,70	□	36,20	□
12	23,70	□	43,40	□

<sup>[1]</sup>: Tolerances on widths and lengths [mm] for all dimensions: width -0/+30; length -0/+60

<sup>[2]</sup>: average production weight

<sup>[3]</sup>: size 2020 x 1010 mm, thicknesses 10–70 mm: tolerance on thickness -0,2/+0,2 mm

size 2020 x 1010 mm, thicknesses 80–160 mm: tolerance on thickness -0,3/+0,3 mm

<sup>[4]</sup>: plate size: 1000 x 2000; width: -0,0/+10,0; length: -0,0/+10,0 | plate size: 1220 x 3000; width: -0,0/+10,0; length: -0,0/+30,0

■ : **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣ : **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□ : **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod.

Please consult us concerning production capabilities and minimum order quantities.

# PE 500 [HMW-PE]



High Molecular Weight Polyethylene[HMW-PE]

PE 500 other colours

PLATES									
Thicknesses	Tolerances on the thickness	PE 500 other colours							
		Standard sizes per piece:							
		[1010 x 2020 mm <sup>[2]</sup> pressed		[1220 x 2020 mm <sup>[2]</sup> pressed		[1220 x 3050 mm <sup>[2]</sup> pressed		[2020 x 6150 mm <sup>[2]</sup> pressed	
[mm]	[mm]	[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]		[kg/pce <sup>[3]</sup> ]	
8	-0,2 +0,2	16,46	□	20,30	□	30,54	□	–	O.R.
10		20,60	□	25,30	□	38,00	□	–	O.R.
12		24,70	□	30,20	□	45,44	□	–	O.R.
15		30,90	□	37,70	□	56,60	□	–	O.R.
20		41,20	□	50,10	□	<b>75,20</b>	■	–	O.R.
25		51,40	□	62,50	□	93,90	▣	–	O.R.
30	-0,0 +0,4	61,70	□	74,90	□	112,50	□	–	O.R.
35		72,01	□	87,26	□	131,11	□	–	O.R.
40		82,30	□	99,70	□	149,70	□	–	O.R.
45		92,59	□	112,05	□	168,36	□	–	O.R.
50		102,88	□	124,50	□	186,98	□	–	O.R.
60		123,45	□	149,24	□	224,23	□	–	O.R.
70		144,03	□	174,00	□	261,47	□	–	O.R.
80		164,60	□	199,10	□	299,09	□	–	O.R.
90		185,18	□	223,86	□	336,34	□	–	O.R.
100		205,75	□	248,70	□	373,59	□	–	O.R.
110	-0,0 +0,6	226,33	□	–	O.R.	–	O.R.	–	–
120		246,91	□	–	O.R.	–	O.R.	–	–
130		267,48	□	–	O.R.	–	O.R.	–	–
140		288,06	□	–	O.R.	–	O.R.	–	–
150		–	O.R.	–	O.R.	–	O.R.	–	–

**Colours available:** PE 500 blue/PE 500 yellow/PE 500 red

<sup>[1]</sup>: Tolerances on widths and lengths [mm] for all dimensions: width -0/+30; length -0/+60

<sup>[2]</sup>: average production weight

<sup>[3]</sup>: size 2020 x 1010 mm, thicknesses 10–70 mm: tolerance on thickness -0,2/+0,2 mm

t: **standard** item [generally available from stock; bulk quantities to be manufactured to order]

▣: **semi-standard** item [generally not available from stock, minimum order quantity 1 piece]

□: **non-standard** item [generally not available from stock, manufactured to order and subject to special conditions; improved availability possible upon customer planning]

O.R.: available on request: please check for lead-time and minimum quantity

Please note that this material is also available in further dimensions and thicknesses. It is also available as pressed and turned rod.

Please consult us concerning production capabilities and minimum order quantities.





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