

**Product Texts**

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	15 % carbon fibres, 15 % PTFE, 4 % silicone
Special Features	improved sliding / wear, high stiffness, electrically conductive, scratch resistant
Market Segment	Automotive, Machinery
Typical Applications	bearings and sliding elements, functional components

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>15000</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>110</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>0.8</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>15</b>	kJ/m <sup>2</sup>	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>260</b>	°C	ISO 75-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5</b>	mm	-
<sup>[C]</sup> Burning Behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8</b>	mm	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Surface resistivity	<b>25</b>	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	<b>1490</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa

**Other text information**

**Injection molding**

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-140 °C for 2-4 h dependant on moisture content
Processing Injection Moulding	melt temperature 320-340 °C mould temperature >140 °C
Storage	dry, protected from light not above 30°C