

Product Texts

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	10 % carbon fibres,50 % glass fibre/mineral
Special Features	electrically conductive,high stiffness,low warpage
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	bearings and sliding elements,functional components

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	24500	MPa	ISO 527
^[C] Stress at break	140	MPa	ISO 527
^[C] Strain at break	0.7	%	ISO 527
^[C] Charpy impact strength, +23°C	17	kJ/m ²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
^[C] Temp. of deflection under load, 1.80 MPa	280	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Electrical properties	Value	Unit	Test Standard
ISO Data			
^[C] Surface resistivity	150	Ohm	IEC 62631-3-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1830	kg/m ³	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