

Product Texts

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	injection moulding, high stiffness
Market Segment	Machinery
Application Area	pump components
Typical Applications	various

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	14500	MPa	ISO 527
^[C] Stress at break	170	MPa	ISO 527
^[C] Strain at break	1.6	%	ISO 527
^[C] Charpy impact strength, +23°C	45	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	275	°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

Other properties	Value	Unit	Test Standard
^[C] Density	1660	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