

Product Texts

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	injection moulding, high toughness, reduced flash, increased burst strength
Market Segment	Machinery
Application Area	pump components
Typical Applications	pump impellers

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	15200	MPa	ISO 527
^[C] Stress at break	195	MPa	ISO 527
^[C] Strain at break	1.8	%	ISO 527
^[C] Charpy impact strength, +23°C	50	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	274	°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	1650	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