

Product Texts

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	65 % glass fibre/mineral
Special Features	high stiffness,good hydrolysis resistant,oil resistant
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	highly stressed parts

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	16500	MPa	ISO 527
^[C] Stress at break	115	MPa	ISO 527
^[C] Strain at break	1	%	ISO 527
^[C] Charpy impact strength, +23°C	22	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 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1980	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 130-150 °C
 for <3 h
 in an air circulating dryer 130-150 °C
 for <3 h
 dependant on moisture content

Processing Injection Moulding melt temperature 320-340 °C
 mould temperature >140 °C