

**Product Texts**

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	high purity,high stiffness
Application Area	injection moulded parts
Typical Applications	fuel cells

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>14250</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>180</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>1.6</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>45</b>	kJ/m <sup>2</sup>	ISO 179/1eU

[C]: CAMPUS

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	<b>276</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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Density	<b>1650</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