

Product Texts

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

| Mechanical properties | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 15000 | MPa | ISO 527 |
| ^[C] Stress at break | 190 | MPa | ISO 527 |
| ^[C] Strain at break | 1.7 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 55 | 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 | 270 | °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