# TEDUR L 9510-1

PPS-GF40 MOCOM Compounds GmbH & Co. KG

| Product Texts | |
|---|---|
| Base Polymer | Polyphenylene Sulphide |
| Filler/Additive System | 40 % glass fibres |
| Special Features | high stiffness |
| Application Area | pump components |
| Typical Applications | various |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Tensile Modulus | **14000** | MPa | ISO 527 |
| [C] Stress at break | **180** | MPa | ISO 527 |
| [C] Strain at break | **1.7** | % | ISO 527 |
| [C] Charpy impact strength, +23°C | **45** | kJ/m² | ISO 179/1eU |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Temp. of deflection under load, 1.80 MPa | **273** | °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

| Electrical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Comparative tracking index | **100** | - | IEC 60112 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| [C] Density | **1650** | kg/m³ | 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<br>for 2-4 h<br>dependant on moisture content |
| Processing Injection Moulding | melt temperature 320-340 °C<br>mould temperature >140 °C |
| Storage | dry, protected from light<br>not above 30°C |