TEDUR L 9511-2

PPS-GF45 MOCOM Compounds GmbH & Co. KG

Product Texts	
Base Polymer	Polyphenylene Sulphide
Filler/Additive System	45 % glass fibres
Special Features	high stiffness
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	pump components,pump impellers,housings,high pressure vessels

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**17000**	MPa	ISO 527
[C] Stress at break	**132**	MPa	ISO 527
[C] Strain at break	**1**	%	ISO 527
[C] Charpy impact strength, +23°C	**25**	kJ/m²	ISO 179/1eU

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Temp. of deflection under load, 1.80 MPa	**280**	°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	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1730**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Applications
Automotive, Encapsulation

Special Characteristics
Heat stabilized or stable to heat

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