

Technical Data Sheet



TEDUR L 9510-5



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	injection moulding grade, high stiffness, easy flow
Market Segment	various
Application Area	pump components
Typical Applications	housings

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

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	14000	MPa	ISO 178
Flexural Strength	260	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.9	%	ISO 178
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength at Break	180	MPa	ISO 527
Tensile Elongation at Break	1.5	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	275	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	1E12	Ohm	DIN EN 62631-3-2
Physical Properties			
Density	1650	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Glow Wire (GWFI, 960 °C, 2.0mm)	passed	-	DIN EN 60695