

Technical Data Sheet



TEDUR L 9113-2



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	60 % glass fibres
Special Features	high stiffness
Market Segment	Automotive, Machinery
Application Area	injection moulding grade

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	22600	MPa	ISO 178
Flexural Strength	230	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.1	%	ISO 178
Tensile Modulus	23000	MPa	ISO 527
Tensile Strength at Break	140	MPa	ISO 527
Tensile Elongation at Break	0.8	%	ISO 527
Impact Strength (Charpy, 23°C)	24	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	279	°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	1870	kg/m³	ISO 1183
Flammability			
Glow Wire (GWFI, 960°C, 2.0mm)	passed	-	DIN EN 60695