

Technical Data Sheet



TEDUR L 9560



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	50 % mineral
Special Features	improved surface appearance, high surface gloss
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	reflectors

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	8600	MPa	ISO 178
Flexural Strength	110	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.3	%	ISO 178
Tensile Modulus	8500	MPa	ISO 527
Tensile Strength at Break	74	MPa	ISO 527
Tensile Elongation at Break	1.1	%	ISO 527
Impact Strength (Charpy, 23°C)	17	kJ/m²	ISO 179/1eU
Thermal Properties			
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Tracking Resistance (CTI)	175	-	IEC 60112
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.8 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1820	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