

Technical Data Sheet



TEDUR L 9903-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	70 % special filler
Special Features	increased thermal conductivity,electrostatically dissipating,high density,magnetisable
Market Segment	Automotive,Machinery,electrical and electronic
Application Area	electrical components
Typical Applications	coil formers / bobbins

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	9400	MPa	ISO 178
Flexural Strength	100	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.2	%	ISO 178
Tensile Modulus	9300	MPa	ISO 527
Tensile Strength at Break	65	MPa	ISO 527
Tensile Elongation at Break	1	%	ISO 527
Impact Strength (Charpy, 23°C)	15	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	161	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Physical Properties			
Density	3150	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-2	class	UL 94
Yellow Card available	yes	-	-
Flammability (3.0 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-