

Technical Data Sheet



TEDUR L 9904-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	80 % 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	14300	MPa	ISO 178
Flexural Strength	79	MPa	ISO 178
Flexural Deflection (Maximum Force)	0.6	%	ISO 178
Tensile Modulus	13500	MPa	ISO 527
Tensile Strength at Break	52	MPa	ISO 527
Tensile Elongation at Break	0.4	%	ISO 527
Impact Strength (Charpy, 23°C)	7	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	215	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Thermal Conductivity (Integral)	1.6	W/(m K)	ISO 22007-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	3820	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Yellow Card available	yes	-	-
Flammability (3.0 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-