

Technical Data Sheet



TEDUR L 9412-3.2

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	10 % carbon fibres, 10 % graphite, 10 % PTFE
Special Features	reduced surface resistivity, electrically conductive, improved sliding / wear
Market Segment	Automotive, Machinery, electrical and electronic
Typical Applications	functional components, housings, bearings and sliding elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-140 °C for 2-4 h dependant on moisture content max. moisture content <0,02 %
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	11900	MPa	ISO 178
Flexural Strength	180	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.7	%	ISO 178
Tensile Modulus	13900	MPa	ISO 527
Tensile Strength at Break	135	MPa	ISO 527
Tensile Elongation at Break	1.3	%	ISO 527
Impact Strength (Charpy, 23°C)	20	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	150	Ohm	IEC 62631-3-2
Physical Properties			
Density	1490	kg/m³	ISO 1183