

Technical Data Sheet



TEDUR L 9409-3.2

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	30 % carbon fibres, 15 % 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
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Processing Injection Moulding	melt temperature 320-340 °C mould temperature >140 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	22500	MPa	ISO 178
Flexural Strength	275	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.3	%	ISO 178
Tensile Modulus	26500	MPa	ISO 527
Tensile Strength at Break	175	MPa	ISO 527
Tensile Elongation at Break	1	%	ISO 527
Impact Strength (Charpy, 23 °C)	30	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	272	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	50	Ohm	IEC 62631-3-2
Physical Properties			
Density	1540	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Flammability (1.5 mm)	V-0	class	UL 94