



TEDUR L 9406-1

(Last update: 29.10.2021)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	10 % carbon fibres,50 % glass fibre/mineral
Special Features	electrically conductive,high stiffness,low warpage
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	bearings and sliding elements,functional components

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	23800	MPa	ISO 178
Flexural Strength	210	MPa	ISO 178
Flexural Deflection (Maximum Force)	1	%	ISO 178
Tensile Modulus	24500	MPa	ISO 527
Tensile Strength at Break	140	MPa	ISO 527
Tensile Elongation at Break	0.7	%	ISO 527
Impact Strength (Charpy, 23 °C)	17	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	280	°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	1830	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on



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