

Technical Data Sheet



TEDUR L 9511

(Last update: 05.09.2024)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	45 % glass fibres
Special Features	high stiffness
Application Area	various
Typical Applications	housings, fixing elements

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	17000	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.7	%	ISO 178
Tensile Modulus	16500	MPa	ISO 527
Tensile Strength at Break	180	MPa	ISO 527
Tensile Elongation at Break	1.4	%	ISO 527
Impact Strength (Charpy, 23°C)	38	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	276	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	1E12	Ohm	DIN EN 62631-3-2
Physical Properties			
Density	1720	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Glow Wire (GWFI, 960°C, 2.0mm)	passed	-	DIN EN 60695

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.



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