

TEDUR L 9422-1

(Last update: 29.10.2021)

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Base Polymer	Polyphenylene Sulphide
Filler/Additive System	30 % glass fibres, 15 % PTFE
Special Features	improved sliding / wear, high stiffness, high toughness
Market Segment	Automotive, Machinery
Typical Applications	bearings and sliding elements, functional components

Pre-Drying Conditions in a dry air (desiccant) 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	10500	MPa	ISO 178
Flexural Strength	230	MPa	ISO 178
Flexural Deflection (Maximum Force)	2.4	%	ISO 178
Tensile Modulus	12000	MPa	ISO 527
Tensile Strength at Break	155	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	275	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Physical Properties			
Density	1660	kg/m ³	ISO 1183
Flammability			
Flammability (3.0 mm)	V-0	class	UL 94

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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Technical Data Sheet

 **Tedur**[®]

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