



**TEDUR L 9523**

(Last update: 08.05.2024)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	60 % glass fibre/mineral
Colour	black
Special Features	high stiffness,improved surface appearance
Application Area	various
Typical Applications	reflectors,various

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

<b>Properties</b>	<b>Value</b>	<b>Dimension</b>	<b>Test Norm</b>
<b>Mechanical Properties</b>			
Flexural Modulus	20000	MPa	ISO 178
Flexural Strength	180	MPa	ISO 178
Flexural Deflection (Maximum Force)	1	%	ISO 178
Tensile Modulus	20500	MPa	ISO 527
Tensile Strength at Break	115	MPa	ISO 527
Tensile Elongation at Break	0.8	%	ISO 527
Impact Strength (Charpy, 23°C)	15	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	276	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Physical Properties</b>			
Density	1930	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (1.5 mm)	V-0	class	UL 94
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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