



**TEDUR L 9217-1**

(Last update: 18.04.2023)



Base Polymer	Polyphenylene Sulphide
Filler/Additive System	65 % glass fibre/mineral
Special Features	high stiffness, hot oil resistant, good hydrolysis resistant
Market Segment	Automotive, Machinery, Lighting
Typical Applications	highly stressed parts

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	19000	MPa	ISO 178
Flexural Strength	240	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.4	%	ISO 178
Tensile Modulus	19000	MPa	ISO 527
Tensile Strength at Break	140	MPa	ISO 527
Tensile Elongation at Break	1.2	%	ISO 527
Impact Strength (Charpy, 23°C)	25	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	278	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Physical Properties</b>			
Density	1970	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (0.75 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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