

Technical Data Sheet



TEDUR L 9200-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	60 % glass fibre/mineral
Special Features	high toughness
Market Segment	Automotive,various
Typical Applications	seals,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

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	17000	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.6	%	ISO 178
Tensile Modulus	17000	MPa	ISO 527
Tensile Strength at Break	150	MPa	ISO 527
Tensile Elongation at Break	1.2	%	ISO 527
Impact Strength (Charpy, 23°C)	30	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	275	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Tracking Resistance (CTI)	150	-	IEC 60112
Physical Properties			
Density	1900	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Flammability (1.5 mm)	V-0	class	UL 94
Glow Wire (GWFI, 960 °C, 1.0mm)	passed	-	DIN EN 60695
Glow Wire (GWFI, 960 °C, 2.0mm)	passed	-	DIN EN 60695

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Diagrams

Stress-Strain

