

## Technical Data Sheet



### TEDUR L 9200-1

(Last update: 08.05.2024)



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
<b>Mechanical Properties</b>			
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/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	275	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Electrical Properties</b>			
Tracking Resistance (CTI)	150	-	IEC 60112
<b>Physical Properties</b>			
Density	1900	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
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

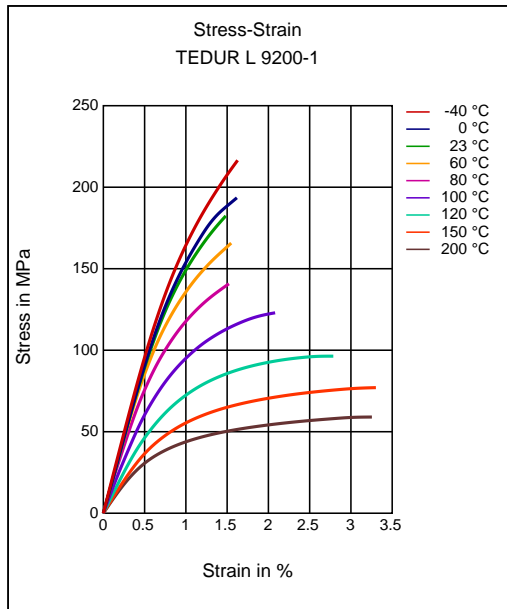
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**MOCOM**

**Diagrams**

**Stress-Strain**



**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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