

## TEDUR L 9300-1

(Last update: 14.12.2021)

### MOCOM

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres / glass beads
Colour	black
Special Features	high toughness, reduced flash, increased burst strength, low warpage
Typical Applications	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	13000	MPa	ISO 178
Flexural Strength	250	MPa	ISO 178
Flexural Deflection (Maximum Force)	2	%	ISO 178
Tensile Modulus	13500	MPa	ISO 527
Tensile Strength at Break	170	MPa	ISO 527
Tensile Elongation at Break	1.8	%	ISO 527
Impact Strength (Charpy, 23° C)	44	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	270	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Physical Properties</b>			
Density	1650	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
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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