

## Technical Data Sheet



### TEDUR L 9107-7

(Last update: 29.09.2022)

### MOCOM

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	injection moulding grade,high toughness,reduced flash,increased burst strength,low odour
Market Segment	Automotive,Machinery,various
Application Area	pump components
Typical Applications	housings,pump impellers,high pressure vessels

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-140 °C up to 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	14500	MPa	ISO 178
Flexural Strength	285	MPa	ISO 178
Flexural Deflection (Maximum Force)	2.2	%	ISO 178
Tensile Modulus	15500	MPa	ISO 527
Tensile Strength at Break	200	MPa	ISO 527
Tensile Elongation at Break	1.8	%	ISO 527
Impact Strength (Charpy, 23°C)	45	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>			
Surface Resistance	1E12	Ohm	DIN EN 62631-3-2
<b>Physical Properties</b>			
Density	1650	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (1.5 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
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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