

## Technical Data Sheet



### TEDUR L 9413-1

(Last update: 08.05.2024)

### MOCOM

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	15 % carbon fibres, 15 % PTFE, 4 % silicone
Special Features	improved sliding / wear, high stiffness, electrically conductive, scratch resistant
Market Segment	Automotive, Machinery
Typical Applications	bearings and sliding elements, functional components

Pre-Drying Conditions	in a dry air (desiccant) 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	13600	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.2	%	ISO 178
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength at Break	110	MPa	ISO 527
Tensile Elongation at Break	0.8	%	ISO 527
Impact Strength (Charpy, 23 °C)	15	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
<b>Electrical Properties</b>			
Surface Resistance	25	Ohm	IEC 62631-3-2
<b>Physical Properties</b>			
Density	1490	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (0.75 mm)	V-0	class	UL 94
Flammability (1.5 mm)	V-0	class	UL 94

#### 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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