

TEDUR L 9904-1

(Last update: 26.01.2023)

MOCOM

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	80 % special filler
Special Features	increased thermal conductivity,electrostatically dissipating,high density,magnetisable
Market Segment	Automotive,Machinery,electrical and electronic
Application Area	electrical components
Typical Applications	coil formers / bobbins

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	14300	MPa	ISO 178
Flexural Strength	79	MPa	ISO 178
Flexural Deflection (Maximum Force)	0.6	%	ISO 178
Tensile Modulus	13500	MPa	ISO 527
Tensile Strength at Break	52	MPa	ISO 527
Tensile Elongation at Break	0.4	%	ISO 527
Impact Strength (Charpy, 23°C)	7	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	215	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Thermal Conductivity (Integral)	1.6	W/(m K)	ISO 22007-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	3820	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94
Yellow Card available	yes	-	-
Flammability (3.0 mm)	V-0	class	UL 94

Technical Data Sheet



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Yellow Card available

yes

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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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