Technical Data Sheet

Tedur®

MOCOM

TEDUR L 9406-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	10 % carbon fibres,50 % glass fibre/mineral
Special Features	electrically conductive,high stiffness,low warpage
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	bearings and sliding elements,functional components

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	23800	MPa	ISO 178
Flexural Strength	210	MPa	ISO 178
Flexural Deflection (Maximum Force)	1	%	ISO 178
Tensile Modulus	24500	MPa	ISO 527
Tensile Strength at Break	140	MPa	ISO 527
Tensile Elongation at Break	0.7	%	ISO 527
Impact Strength (Charpy, 23°C)	17	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	280	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	150	Ohm	IEC 62631-3-2
Physical Properties			
Density	1830	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-