Technical Data Sheet

Tedur®

MOCOM

TEDUR L 9410-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	45 % glass fibre/mineral,15 % PTFE
Special Features	improved sliding / wear,high stiffness,low warpage
Market Segment	Automotive,Machinery
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	15000	MPa	ISO 178
Flexural Strength	180	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.5	%	ISO 178
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength at Break	110	MPa	ISO 527
Tensile Elongation at Break	1	%	ISO 527
Impact Strength (Charpy, 23°C)	20	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	278	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	1E12	Ohm	DIN EN 62631-3-2
Physical Properties			
Density	1890	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94
Glow Wire (GWFI, 960°C, 2.0mm)	passed	-	DIN EN 60695