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Technical Data Sheet

Tedur®

MOCOM

TEDUR HTR PPS 2465 14080

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	glass fibre/mineral
Special Features	high stiffness,good hydrolysis resistant,oil resistant,high comparative tracking index (CTI)
Market Segment	Automotive,electrical and electronic
Application Area	injection moulded parts
Typical Applications	highly stressed parts,connectors,plugs / connectors

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 300-340 °C mould temperature >150 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	19500	MPa	ISO 178
Flexural Strength	180	MPa	ISO 178
Flexural Deflection (Maximum Force)	1	%	ISO 178
Tensile Modulus	19700	MPa	ISO 527
Tensile Strength at Break	105	MPa	ISO 527
Tensile Elongation at Break	0.7	%	ISO 527
Impact Strength (Charpy, 23°C)	15	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Thermal Conductivity (Integral)	0.9	W/(m K)	ISO 22007-2
Specific Heat Capacity	1.2	J/(g K)	-
Electrical Properties			
Surface Resistance	1E14	Ohm	DIN EN 62631-3-2
Tracking Resistance (CTI)	500	-	IEC 60112
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.6	%	ISO 294-4
Physical Properties			
Density	1900	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