

Technical Data Sheet



TEDUR L 9404-3.2

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	30 % carbon fibres
Special Features	reduced surface resistivity,electrically conductive,high stiffness
Market Segment	Automotive,Machinery,electrical and electronic
Typical Applications	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	24500	MPa	ISO 178
Flexural Strength	285	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.3	%	ISO 178
Tensile Modulus	26500	MPa	ISO 527
Tensile Strength at Break	190	MPa	ISO 527
Tensile Elongation at Break	0.9	%	ISO 527
Impact Strength (Charpy, 23°C)	29	kJ/m²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	275	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Electrical Properties			
Surface Resistance	100	Ohm	IEC 62631-3-2
Physical Properties			
Density	1440	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	V-0	class	UL 94
Flammability (1.5 mm)	V-0	class	UL 94
Glow Wire (GWFI, 960 °C, 2.0mm)	passed	-	DIN EN 60695

Technical Data Sheet

Tedur[®]

TEDUR L 9404-3.2

MOCOM

Diagrams

Stress-Strain

