Technical Data Sheet

Tedur®

MOCOM

TEDUR L 9220-1

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	65 % glass fibre/mineral
Special Features	high stiffness,good hydrolysis resistant,oil resistant
Market Segment	Automotive,Machinery
Application Area	injection moulded parts
Typical Applications	highly stressed parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-150 °C for <3 h in an air circulating dryer 130-150 °C for <3 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	16500	MPa	ISO 178
Flexural Strength	200	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.2	%	ISO 178
Tensile Modulus	16500	MPa	ISO 527
Tensile Strength at Break	115	MPa	ISO 527
Tensile Elongation at Break	1	%	ISO 527
Impact Strength (Charpy, 23°C)	22	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
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	ISO 294-4
Physical Properties			
Density	1980	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Glow Wire (GWFI, 960°C, 2.0mm)	passed	-	DIN EN 60695