

Technical Data Sheet



TEDUR L FC 9510-7

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	high stiffness,easy flow, reduced flash
Market Segment	Machinery,electrical and electronic,building and construction
Application Area	injection moulded parts,pump components
Typical Applications	housings,Parts in contact with drinking water

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	13500	MPa	ISO 178
Flexural Strength	260	MPa	ISO 178
Flexural Deflection (Maximum Force)	2.1	%	ISO 178
Tensile Modulus	14500	MPa	ISO 527
Tensile Strength at Break	160	MPa	ISO 527
Tensile Elongation at Break	1.7	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	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	1E12	Ohm	DIN EN 62631-3-2
Physical Properties			
Density	1650	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94
Glow Wire (GWFI, 960 °C, 2.0mm)	passed	-	DIN EN 60695