

Technical Data Sheet



TEDUR L FC 9510-5

Base Polymer	Polyphenylene Sulphide
Filler/Additive System	40 % glass fibres
Special Features	high stiffness,easy flow
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	14000	MPa	ISO 178
Flexural Strength	260	MPa	ISO 178
Flexural Deflection (Maximum Force)	1.9	%	ISO 178
Tensile Modulus	15000	MPa	ISO 527
Tensile Strength at Break	180	MPa	ISO 527
Tensile Elongation at Break	2	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Thermal Properties			
HDT / A (1,8 MPa)	273	°C	ISO 75-1/-2
DSC (Melt Point)	280	°C	ISO 11357
Physical Properties			
Density	1650	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-
Flammability (3.0 mm)	V-0	class	UL 94
Yellow Card available	yes	-	-