

Technical Data Sheet



TEDUR L PPS 1000 15087

Base Polymer	Polyphenylene Sulphide
Special Features	elastomer modified, high toughness
Market Segment	Automotive, Machinery
Application Area	extrusion grade
Typical Applications	ducting / piping systems, functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-130 °C for 2-4 h
Processing Injection Moulding	melt temperature 290-310 °C mould temperature >100 °C
Processing Extrusion	melt temperature 290-310 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Stress (3.5% Strain)	57	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Stress at Yield	45	MPa	ISO 527
Tensile Elongation at Yield	3.7	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Thermal Properties			
DSC (Melt Point)	280	°C	ISO 11357
Physical Properties			
Density	1270	kg/m³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-0	class	UL 94