

Technical Data Sheet



ALTECH PESU A 1000/100

Base Polymer	Polyethersulfone
Colour	grey
Special Features	good flow
Market Segment	Machinery,electrical and electronic
Application Area	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 130-150 °C for 3-4 h in an air circulating dryer 130-150 °C for 3-4 h dependant on moisture content
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Processing Injection Moulding	melt temperature 330-380 °C mould temperature 120-140 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	60	MPa	ISO 527
Tensile Elongation at Yield	6.8	%	ISO 527
Notched Impact Strength (Charpy, 23°C)	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	200	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1390	kg/m ³	ISO 1183