

Technical Data Sheet



ALTECH PSU A 1000/100

Base Polymer	Polysulfone
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
Processing Injection Moulding	melt temperature 330-380 °C mould temperature 120-140 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	90	MPa	ISO 178
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	75	MPa	ISO 527
Tensile Elongation at Yield	5.7	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	175	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1230	kg/m ³	ISO 1183