

ALTECH PSU FC 1000/100

(Last update: 17.08.2023)

MOCOM

Base Polymer	Polysulfone
Special Features	good flow
Market Segment	Machinery,electrical and electronic
Application Area	injection moulded parts,food contact

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
Processing Injection Moulding	melt temperature 330-380 °C mould temperature 120-140 °C
Storage	dry, protected from light
Minimum Shelf Life	months <24

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	93	MPa	ISO 178
Tensile Modulus	2600	MPa	ISO 527
Tensile Stress at Yield	78	MPa	ISO 527
Tensile Elongation at Yield	5.6	%	ISO 527
Tensile Elongation at Break	85	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	173	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (24h)	0.6 - 0.9	%	ISO 294-4
Physical Properties			
Density	1230	kg/m ³	ISO 1183

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not



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- any bodily implant application for greater than 30 days
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