

## ALTECH PSU A 1000/100

(Last update: 16.05.2024)

### MOCOM

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
<b>Mechanical Properties</b>			
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 <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	175	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
<b>Physical Properties</b>			
Density	1230	kg/m <sup>3</sup>	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.

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