

## ALTECH PS A 1000/108

(Last update: 24.01.2023)

### MOCOM

Base Polymer	Polystyrene
Special Features	various
Market Segment	various
Application Area	various, injection moulded parts
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 60-80 °C for 2-3 h in an air circulating dryer 60-80 °C for 2-3 h
Processing Injection Moulding	melt temperature 180-280 °C mould temperature 10-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	3250	MPa	ISO 178
Flexural Strength	65	MPa	ISO 178
Tensile Modulus	3300	MPa	ISO 527
Tensile Strength at Break	45	MPa	ISO 527
Tensile Elongation at Break	1.5	%	ISO 527
Impact Strength (Charpy, 23°C)	13	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	10	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	1.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	85	°C	ISO 306
HDT / A (1,8 MPa)	80	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	12	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.5	%	ISO 294-4
<b>Physical Properties</b>			
Density	1060	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (3.0 mm)	HB	class	UL 94



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Glow Wire (GWFI, 650°C, 1.0mm)

passed

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DIN EN 60695

### 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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