

## Technical Data Sheet



### ALCOM MED PS 1000 04002

(Last update: 19.09.2019)



Base Polymer Polystyrene  
Typical Applications various

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Pre-Drying Conditions	in an air circulating dryer 60-80 °C for 2-3 h in a dry air (dessiccant) dryer 60-80 °C for 2-3 h dependant on moisture content
Processing Injection Moulding	melt temperature 180-260 °C mould temperature 10-70 °C
Storage	dry, protected from light
Minimum Shelf Life	months <12

Properties	Value	Dimension	Based on Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	3500	MPa	ISO 178
Flexural Strength	85	MPa	ISO 178
Tensile Modulus	3800	MPa	ISO 527
Tensile Strength at Break	40	MPa	ISO 527
Tensile Elongation at Break	1.5	%	ISO 527
Impact Strength (Charpy, 23°C)	12	kJ/m <sup>2</sup>	ISO 179/1eU
<b>Thermal Properties</b>			
Vicat B50	102	°C	ISO 306
HDT / A (1,8 MPa)	86	°C	ISO 75-1/-2
<b>Rheological Properties</b>			
Melt Index (MVR)	3	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	200	°C	-
MVR load	5	kg	-
<b>Physical Properties</b>			
Density	1230	kg/m <sup>3</sup>	ISO 1183

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