

Technical Data Sheet



ALCOM MS PC 1000 17115

Base Polymer	Polycarbonate
Special Features	antisqueak-modified,low emission,easy release (demoulding),heat stabilised,injection moulding grade
Market Segment	Automotive
Application Area	interior decoration / finishing

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-3 h in an air circulating dryer 100-120 °C for 4-12 h dependant on moisture content max. moisture content <0,02 %
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Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	60	MPa	ISO 527
Tensile Elongation at Yield	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)	65	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	19	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	142	°C	ISO 306
HDT / A (1,8 MPa)	127	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	10	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.7 - 1	%	ISO 294-4
Physical Properties			
Density	1180	kg/m ³	ISO 1183