

Technical Data Sheet



ALCOM MS PC+ABS 1000 17113

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

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-4 h in an air circulating dryer 100-110 °C for 3-6 h
Processing Injection Moulding	melt temperature 240-250 °C mould temperature 70-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress (3.5% Strain)	70	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	51	MPa	ISO 527
Tensile Elongation at Yield	4.5	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	180	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	47	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	121	°C	ISO 306
HDT / A (1,8 MPa)	105	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	17	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (lengthwise, 24h)	0.6 - 0.8	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1120	kg/m ³	ISO 1183