

Technical Data Sheet



ALCOM MS PC+ABS 2020 SB1051-21

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Filler/Additive System	20 % glass fibres
Special Features	antisqueak-modified,easy release (demoulding),heat stabilised,injection moulding,low emission
Market Segment	Automotive
Application Area	interior decoration / finishing
Typical Applications	injection moulding
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 dependant on moisture content max. moisture content <0,12 %
Processing Injection Moulding	melt temperature 240-280 °C mould temperature 70-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5700	MPa	ISO 178
Flexural Strength	115	MPa	ISO 178
Tensile Modulus	6100	MPa	ISO 527
Tensile Strength at Break	75	MPa	ISO 527
Tensile Elongation at Break	1.9	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7	kJ/m ²	ISO 179/1eA
Ball Indentation Hardness H358/30	110	MPa	ISO 2039-1
Thermal Properties			
Vicat B50	115	°C	ISO 306
HDT / A (1,8 MPa)	115	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	12	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.1 - 0.5	%	ISO 294-4
Physical Properties			
Density	1260	kg/m ³	ISO 1183