

Technical Data Sheet



ALTECH PC A 1000/178

Base Polymer	Polycarbonate
Colour	blue,white
Special Features	injection moulding grade,low viscosity,easy release (demoulding)
Market Segment	sport and leisure
Application Area	injection moulded parts,interior decoration / finishing
Typical Applications	various,housings

Pre-Drying Conditions	in an air circulating dryer 100-120 °C for 4-12 h 120 °C in a dry air (dessiccant) dryer for 2-3 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	2400	MPa	ISO 527
Tensile Stress at Yield	63	MPa	ISO 527
Tensile Elongation at Yield	20	%	ISO 527
Tensile Elongation at Break	80	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	143	°C	ISO 306
HDT / A (1,8 MPa)	128	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	33	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1190	kg/m ³	ISO 1183