

ALTECH PC A 1000/178

(Last update: 19.05.2022)

MOCOM

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

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.



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