

ALTECH PC A 1000/121 UV IM

(Last update: 28.01.2025)

MOCOM

Base Polymer	Polycarbonate
Filler/Additive System	light stabiliser
Colour	grey,white,black,brown,beige
Special Features	UV stabilised,impact modified,easy release (demoulding),processing stabilised,heat stabilised
Market Segment	Automotive
Application Area	interior decoration / finishing,clothing / fasteners
Typical Applications	functional components,housings,bezels

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer 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	2300	MPa	ISO 527
Tensile Stress at Yield	59	MPa	ISO 527
Tensile Elongation at Yield	5.5	%	ISO 527
Tensile Elongation at Break	60	%	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)	50	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	13	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	140	°C	ISO 306
HDT / A (1,8 MPa)	130	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	30	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.6 - 0.8	%	ISO 294-4



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Physical Properties

Density	1200	kg/m ³	ISO 1183
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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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