

ALTECH PC-HT A 1000/500

(Last update: 23.08.2022)

MOCOM

Base Polymer	High Heat Polycarbonate
Special Features	high heat stabilised
Market Segment	Automotive, Lighting
Typical Applications	housings, light switches

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h 130 °C in an air circulating dryer for 4-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 320-340 °C mould temperature 100-130 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2500	MPa	ISO 527
Tensile Stress at Yield	70	MPa	ISO 527
Tensile Elongation at Yield	7	%	ISO 527
Tensile Elongation at Break	55	%	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)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	166	°C	ISO 306
HDT / A (1,8 MPa)	148	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	17	cm ³ /10min	ISO 1133
MVR temperature	330	°C	-
MVR load	2.16	kg	-
Shrinkage (24h)	0.75 - 1.05	%	ISO 294-4
Physical Properties			
Density	1170	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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