

ALTECH PC B 2010/100

(Last update: 13.06.2022)

MOCOM

Base Polymer	Polycarbonate
Filler/Additive System	10 % glass fibres
Colour	blue,natural color
Special Features	heat stabilised,easy release (demoulding),processing stabilised
Market Segment	building and construction,various
Typical Applications	injection moulded parts

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C 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 %
Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	3800	MPa	ISO 527
Tensile Strength at Break	75	MPa	ISO 527
Tensile Elongation at Break	3.5	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	141	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	10	cm³/10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1260	kg/m³	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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