

ALTECH PA6 A 3230/120 GB20 GF10

(Last update: 13.02.2020)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	20 % glass beads, 10 % glass fibres
Colour	black
Special Features	heat stabilised, easy flow, easy release (demoulding), fast solidifying
Market Segment	Automotive
Application Area	injection moulded parts, clothing / fasteners, interior decoration / finishing
Typical Applications	racking / shelving, housings, functional components

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
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Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4800 / 2500	MPa	ISO 178
Flexural Strength	150 / 75	MPa	ISO 178
Tensile Modulus	5600 / 2800	MPa	ISO 527
Tensile Strength at Break	95 / 55	MPa	ISO 527
Tensile Elongation at Break	2.8 / 15	%	ISO 527
Impact Strength (Charpy, 23°C)	35 / 100	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5 / 8.5	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	195 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1360 / -	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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