

ALTECH PA6 A 2030/507 GF30 BK1042-20LWT

(Last update: 16.11.2023)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade,laser transparent
Market Segment	various
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500 / 5200	MPa	ISO 178
Flexural Strength	260 / 160	MPa	ISO 178
Tensile Modulus	9400 / 5600	MPa	ISO 527
Tensile Strength at Break	170 / 110	MPa	ISO 527
Tensile Elongation at Break	3.4 / 7.5	%	ISO 527
Impact Strength (Charpy, 23°C)	90 / 105	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	65 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 20	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	212 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183
Optical Properties			
Spectral Transmission 980nm (d=1,5mm)	56.5	%	ISO 13468

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



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design and processing conditions.

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