

ALTECH PA6 A 2020/516 GF20 IM

(Last update: 20.03.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	20 % glass fibres
Colour	black
Special Features	heat stabilised,easy release (demoulding),impact modified,injection moulding grade
Market Segment	various
Typical Applications	various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
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	5400 / 3000	MPa	ISO 178
Flexural Strength	170 / 95	MPa	ISO 178
Tensile Modulus	6200 / 3200	MPa	ISO 527
Tensile Strength at Break	115 / 60	MPa	ISO 527
Tensile Elongation at Break	3.7 / 7.5	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / 80	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15 / 25	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	204 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.9 - 1.1	%	ISO 294-4
Physical Properties			
Density	1250 / -	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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