

ALTECH PA6 A 2050/500 GF50 BK1267-20LS

(Last update: 05.09.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	50 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade,laser etchable (light etching),easy flow
Market Segment	Automotive,Machinery,electrical and electronic,Furniture,building and construction,sport and leisure
Typical Applications	pedals

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	15300 / 10400	MPa	ISO 178
Flexural Strength	330 / 215	MPa	ISO 178
Tensile Modulus	16900 / 10200	MPa	ISO 527
Tensile Strength at Break	215 / 140	MPa	ISO 527
Tensile Elongation at Break	3.1 / 4.5	%	ISO 527
Impact Strength (Charpy, 23°C)	85 / 90	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	85 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	14 / 20	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	217 / *	°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)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1580 / -	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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on



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- any bodily implant application for greater than 30 days
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