

ALTECH PA6 A 2050/560 GF50

(Last update: 10.12.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	50 % glass fibres
Colour	natural color,black
Special Features	high heat stabilised,easy release (demoulding),easy flow,injection moulding grade
Market Segment	Automotive,electrical and electronic
Application Area	engine and drive systems,exterior parts,electrical components,interior decoration / finishing,injection moulded parts
Typical Applications	functional components,different automotive powertrain parts,air duct

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	14500 / 9800	MPa	ISO 178
Flexural Strength	320 / 210	MPa	ISO 178
Tensile Modulus	16000 / 10000	MPa	ISO 527
Tensile Strength at Break	210 / 137	MPa	ISO 527
Tensile Elongation at Break	3 / 4.5	%	ISO 527
Impact Strength (Charpy, 23°C)	95 / 92	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	95 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / 23	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	12 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	216 / *	°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)	0.2 - 0.4	%	ISO 294-4
Physical Properties			
Density	1570 / -	kg/m ³	ISO 1183



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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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