

**ALTECH PA6 A 3050/100 GB50**

(Last update: 26.09.2024)

**MOCOM**

Base Polymer	Polyamide 6
Filler/Additive System	50 % glass beads
Colour	natural color,black
Special Features	low warpage,easy flow,easy release (demoulding),high heat stabilised
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,interior decoration / finishing,exterior parts
Typical Applications	housings,handles,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 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	5600 / -	MPa	ISO 178
Flexural Strength	135 / -	MPa	ISO 178
Tensile Modulus	5700 / -	MPa	ISO 527
Tensile Strength at Break	80 / -	MPa	ISO 527
Tensile Elongation at Break	5.3 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / -	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	27 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3.5 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2.5 / -	kJ/m²	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	106 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.9 - 1.1	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
<b>Physical Properties</b>			
Density	1560 / -	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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