

**ALTECH PA6 A 2050/500 GF50**

(Last update: 18.10.2024)

**MOCOM**

Base Polymer	Polyamide 6
Filler/Additive System	50 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,easy release (demoulding),good flow
Market Segment	Automotive
Application Area	injection moulded parts,exterior parts,interior decoration / finishing
Typical Applications	functional components,pedals,different automotive powertrain parts

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	15700 / 10000	MPa	ISO 178
Flexural Strength	350 / 225	MPa	ISO 178
Tensile Modulus	16500 / 10400	MPa	ISO 527
Tensile Strength at Break	220 / 145	MPa	ISO 527
Tensile Elongation at Break	2.9 / 4.7	%	ISO 527
Impact Strength (Charpy, 23°C)	95 / 90	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	85 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15 / 20	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	12 / -	kJ/m²	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	219 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
<b>Physical Properties</b>			
Density	1580 / -	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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