

**ALTECH PA6 A 1000/110 IM**

(Last update: 12.11.2024)

**MOCOM**

Base Polymer	Polyamide 6
Colour	black,natural color,grey,blue,green,white
Special Features	high impact modified,dry impact modified,easy release (demoulding),easy flow
Market Segment	Machinery,Automotive
Application Area	exterior parts,interior decoration / finishing,pump components
Typical Applications	housings,clips,functional components,protection-strip

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 250-270 °C  
mould temperature 60-100 °C

Storage      dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	2300 / 800	MPa	ISO 178
Flexural Stress (3.5% Strain)	75 / 23	MPa	ISO 178
Tensile Modulus	2600 / 900	MPa	ISO 527
Tensile Stress at Yield	65 / 35	MPa	ISO 527
Tensile Elongation at Yield	3.5 / 25	%	ISO 527
Tensile Elongation at Break	20 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / 1000	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 100	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	60 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.8 - 2.2	%	ISO 294-4
<b>Physical Properties</b>			
Density	1110 / -	kg/m <sup>3</sup>	ISO 1183



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### Flammability

Flammability (1.5 mm)

HB / \*

class

UL 94

### 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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