

**ALTECH PA6 A 1000/106**

(Last update: 24.04.2019)

**MOCOM**

Base Polymer	Polyamide 6
Colour	white
Special Features	fast solidifying,easy release (demoulding),easy flow
Typical Applications	housings,handles

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	2600 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	85 / -	MPa	ISO 178
Tensile Modulus	3300 / -	MPa	ISO 527
Tensile Stress at Yield	85 / -	MPa	ISO 527
Tensile Elongation at Yield	3.6 / -	%	ISO 527
Tensile Elongation at Break	9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	285 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	200 / *	°C	ISO 306
DSC (Melt Point)	220 / *	°C	ISO 11357
<b>Physical Properties</b>			
Density	1160 / -	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (3.0 mm)	V-2 / *	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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