

ALTECH PA6 A 1000/199

(Last update: 27.09.2022)

MOCOM

Base Polymer	Polyamide 6
Colour	black,blue,grey,green,natural color,orange,red,white
Special Features	fast solidifying,easy release (demoulding),easy flow,heat stabilised
Market Segment	Automotive,electrical and electronic,sport and leisure
Application Area	injection moulded parts,electrical and electronic (E&E),sports equipment
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 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800 / 900	MPa	ISO 178
Flexural Stress (3.5% Strain)	90 / 25	MPa	ISO 178
Tensile Modulus	3200 / 1150	MPa	ISO 527
Tensile Stress at Yield	85 / 50	MPa	ISO 527
Tensile Elongation at Yield	3.7 / 25	%	ISO 527
Tensile Elongation at Break	10 / 100	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / 1000	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	160 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 20	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	65 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	1.1 - 1.5	%	ISO 294-4
Physical Properties			
Density	1130 / -	kg/m³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94



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Yellow Card available

yes / *

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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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