

**ALTECH PA66 A 1000/109**

(Last update: 17.01.2025)

**MOCOM**

Base Polymer	Polyamide 66
Colour	black,blue,grey,natural color,red,white
Special Features	heat stabilised,easy flow,easy release (demoulding)
Market Segment	Automotive,electrical and electronic
Application Area	electrical components,interior decoration / finishing,exterior parts,different automotive powertrain parts

Pre-Drying Conditions	80 °C in a dry air (desiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

<b>Properties</b>	<b>dry/cond.</b>	<b>Dimension</b>	<b>Test Norm</b>
<b>Mechanical Properties</b>			
Flexural Modulus	3000 / 1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / 40	MPa	ISO 178
Tensile Modulus	3300 / 1500	MPa	ISO 527
Tensile Stress at Yield	- / 58	MPa	ISO 527
Tensile Strength	90 / -	MPa	ISO 527
Tensile Elongation at Yield	- / 20	%	ISO 527
Tensile Elongation at Break	20 / 90	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / 1000	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	70 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	1.4 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.9 - 2.3	%	ISO 294-4
<b>Physical Properties</b>			
Density	1130 / -	kg/m <sup>3</sup>	ISO 1183
<b>Flammability</b>			
Flammability (1.5 mm)	V-2 / *	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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