

**ALTECH PA66 A 1000/109 BK1008-13LS**

(Last update: 27.01.2025)

**MOCOM**

Base Polymer	Polyamide 66
Filler/Additive System	laser optimisation,Laser sensitive additive
Colour	black
Special Features	heat stabilised,easy release (demoulding),easy flow,laser etchable (light etching)
Market Segment	Automotive,electrical and electronic
Application Area	injection moulded parts,interior decoration / finishing,electrical and electronic (E&E),electrical 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 270-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	3300 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	100 / -	MPa	ISO 178
Tensile Modulus	3300 / -	MPa	ISO 527
Tensile Strength	80 / -	MPa	ISO 527
Tensile Elongation at Break	3.5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	30 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	2 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	80 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.8 - 2.2	%	ISO 294-4
<b>Physical Properties</b>			
Density	1130 / -	kg/m <sup>3</sup>	ISO 1183



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### Flammability

Flammability (0.75 mm)

Yellow Card available

HB / \*

yes / \*

class

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UL 94

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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.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

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