

ALTECH PA66 A 2030/109 GF30 GY1176-12LS

(Last update: 23.03.2023)

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres,laser optimisation,Laser sensitive additive
Colour	grey
Special Features	heat stabilised,easy release (demoulding),easy flow,laser etchable (dark etching)
Typical Applications	housings,various

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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500 / -	MPa	ISO 178
Flexural Strength	245 / 180	MPa	ISO 178
Tensile Modulus	9700 / 7250	MPa	ISO 527
Tensile Strength at Break	160 / 100	MPa	ISO 527
Tensile Elongation at Break	2.7 / 4	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-

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



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design and processing conditions.

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