

ALTECH PA66 A 2050/109 GF50

(Last update: 10.10.2024)

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	50 % glass fibres
Colour	black,natural color
Special Features	easy release (demoulding),slip agent,heat stabilised
Market Segment	Automotive,Machinery
Application Area	exterior parts,interior decoration / finishing,engine and drive systems
Typical Applications	housings,different automotive powertrain parts

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	15000 / 11000	MPa	ISO 178
Flexural Strength	330 / 250	MPa	ISO 178
Tensile Modulus	15500 / 12000	MPa	ISO 527
Tensile Strength at Break	215 / 165	MPa	ISO 527
Tensile Elongation at Break	2.6 / 3.5	%	ISO 527
Impact Strength (Charpy, 23°C)	80 / 85	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	67 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 18	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	260 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1560 / -	kg/m ³	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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