

ALTECH PA6 A 2025/109 GF25

(Last update: 17.06.2022)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	25 % glass fibres
Colour	black,grey,natural color
Special Features	heat stabilised,fast solidifying,easy release (demoulding),processing stabilised,nucleated
Market Segment	Machinery,Automotive,electrical and electronic
Application Area	injection moulded parts,exterior parts,electrical components
Typical Applications	housings,functional components,handles

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 80-100 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7000 / 4400	MPa	ISO 178
Flexural Strength	215 / 135	MPa	ISO 178
Tensile Modulus	8000 / 4300	MPa	ISO 527
Tensile Strength at Break	144 / 90	MPa	ISO 527
Tensile Elongation at Break	3.5 / 7.2	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / 95	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10 / 18	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	209 / *	°C	ISO 75-1/-2
DSC (Melt Point)	221 / *	°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	1310 / -	kg/m ³	ISO 1183



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Flammability

Flammability (0.75 mm)

Yellow Card available

Glow Wire (GWFI, 650°C, 1.0mm)

HB / *

yes / *

passed

class

-

-

UL 94

-

DIN EN 60695

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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