

ALTECH PA6 A 2030/140 GF30 FR

(Last update: 17.01.2025)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	grey
Special Features	halogen-free flame retardant,heat stabilised,nucleated,processing stabilised,easy release (demoulding)
Market Segment	Automotive,building and construction,Machinery,electrical and electronic
Application Area	injection moulded parts,electrical components,clothing / fasteners
Typical Applications	functional components,housings

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	8000 / -	MPa	ISO 178
Flexural Strength	148 / -	MPa	ISO 178
Tensile Modulus	9000 / -	MPa	ISO 527
Tensile Strength at Break	90 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	32 / -	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	27 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	204 / *	°C	ISO 75-1/-2
DSC (Melt Point)	222 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.7 - 0.9	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1490 / -	kg/m³	ISO 1183



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Flammability

Flammability (1.5 mm)

Glow Wire (GWFI, 750°C, 2.0mm)

V-2 / *

passed

class

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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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