

ALTECH PA6 A 4030/100 MR30

(Last update: 10.06.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % mineral
Colour	natural color,black,grey
Special Features	low warpage,processing stabilised,heat stabilised
Market Segment	Automotive,sport and leisure
Application Area	exterior parts,interior decoration / finishing
Typical Applications	injection moulded parts,housings,functional 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 %
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Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4700 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	130 / -	MPa	ISO 178
Tensile Modulus	4800 / -	MPa	ISO 527
Tensile Stress at Yield	82 / -	MPa	ISO 527
Tensile Elongation at Yield	3.3 / -	%	ISO 527
Tensile Elongation at Break	9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	200 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	110 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	90 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.2 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183

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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