

ALTECH PA6 A 2010/106 GF10

(Last update: 12.12.2023)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	10 % glass fibres
Colour	black
Special Features	heat stabilised
Market Segment	Automotive
Application Area	injection moulded parts
Typical Applications	handles,bezels,housings,racking / shelving,interior decoration / finishing

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C 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	4300 / 2200	MPa	ISO 178
Flexural Stress (3.5% Strain)	- / 57	MPa	ISO 178
Flexural Strength	155 / -	MPa	ISO 178
Tensile Modulus	4900 / 2500	MPa	ISO 527
Tensile Strength at Break	100 / 60	MPa	ISO 527
Tensile Elongation at Break	2.6 / 25	%	ISO 527
Impact Strength (Charpy, 23°C)	30 / 130	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / 8	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	189 / *	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.4 - 0.6	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1210 / -	kg/m³	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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