

Technical Data Sheet



ALTECH PA6 A 2030/319 GF30 IM

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	black,grey,blue,natural color
Special Features	easy release (demoulding),elastomer modified,high toughness,heat stabilised,processing stabilised
Market Segment	Automotive,Machinery,electrical and electronic
Application Area	injection moulded parts,electrical components,interior decoration / finishing,exterior parts
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 100-130 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6900 / 4400	MPa	ISO 178
Flexural Strength	175 / 120	MPa	ISO 178
Tensile Modulus	7500 / 4500	MPa	ISO 527
Tensile Strength at Break	125 / 85	MPa	ISO 527
Tensile Elongation at Break	3.7 / 10	%	ISO 527
Impact Strength (Charpy, 23°C)	75 / 85	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	20 / 25	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	12 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	204 / *	°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)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1310 / -	kg/m³	ISO 1183

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Flammability

Flammability (1.5 mm)
Yellow Card available

HB / *
yes / *

class
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UL 94
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Diagrams

Stress-Strain

