

Technical Data Sheet



ALTECH PA6 A 2030/319 GF30 IM

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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(Last update: 27.02.2025)

Flammability

Flammability (1.5 mm)
Yellow Card available

HB / *
yes / *

class
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UL 94
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Diagrams

Stress-Strain

