

Technical Data Sheet



ALTECH PA6 A 2030/200 GF30

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	grey
Special Features	heat stabilised,easy release (demoulding),processing stabilised
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,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 %
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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	8400 / 5500	MPa	ISO 178
Flexural Strength	240 / 175	MPa	ISO 178
Tensile Modulus	9200 / 5500	MPa	ISO 527
Tensile Strength at Break	155 / 110	MPa	ISO 527
Tensile Elongation at Break	3 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	65 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11 / 17	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	211 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1370 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94