

Technical Data Sheet



ALTECH PA6 A 2030/606 GF30

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	grey
Special Features	nucleated, processing stabilised, easy release (demoulding)
Market Segment	Automotive
Application Area	cooling system, engine and drive systems, injection moulded parts
Typical Applications	oil pump 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	8000 / 4700	MPa	ISO 178
Flexural Strength	205 / 120	MPa	ISO 178
Tensile Modulus	8500 / 5300	MPa	ISO 527
Tensile Strength at Break	130 / 75	MPa	ISO 527
Tensile Elongation at Break	2.5 / 6.5	%	ISO 527
Impact Strength (Charpy, 23°C)	40 / 65	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5 / 8.5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	203 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183