

Technical Data Sheet



ALTECH PA6 A 4030/100 MR30

Base Polymer	Polyamide 6
Filler/Additive System	30 % mineral
Colour	natural color,black,grey
Special Features	low warpage,processing stabilised,heat stabilised
Market Segment	Automotive,sport and leisure
Application Area	exterior parts,interior decoration / finishing
Typical Applications	injection moulded 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	4700 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	130 / -	MPa	ISO 178
Tensile Modulus	4800 / -	MPa	ISO 527
Tensile Stress at Yield	82 / -	MPa	ISO 527
Tensile Elongation at Yield	3.3 / -	%	ISO 527
Tensile Elongation at Break	9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	200 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	110 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	90 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.2 - 1.4	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183