

Technical Data Sheet



ALTECH PA6 A 3030/220 GB30 UV

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass beads
Colour	white
Special Features	heat stabilised,easy release (demoulding),UV stabilised,processing stabilised
Market Segment	electrical and electronic,Automotive
Application Area	clothing / fasteners,injection moulded parts,electrical components,exterior parts,interior decoration / finishing
Typical Applications	housings,functional components,operating elements

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	4000 / -	MPa	ISO 178
Flexural Strength	110 / -	MPa	ISO 178
Tensile Modulus	4300 / -	MPa	ISO 527
Tensile Strength at Break	70 / -	MPa	ISO 527
Tensile Elongation at Break	3.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	35 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	75 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183