

Technical Data Sheet



ALTECH PA6 A 2030/320 GF30 UV

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	white,natural color
Special Features	heat stabilised,UV stabilised,fast solidifying,processing stabilised,easy release (demoulding),nucleated
Market Segment	Automotive,Machinery,building and construction
Application Area	injection moulded parts,exterior parts
Typical Applications	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 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8300 / -	MPa	ISO 178
Flexural Strength	240 / -	MPa	ISO 178
Tensile Modulus	9300 / -	MPa	ISO 527
Tensile Strength at Break	160 / -	MPa	ISO 527
Tensile Elongation at Break	3.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	84 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	70 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	213 / *	°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