

Technical Data Sheet



ALTECH PA6 A 3030/320 GB30 UV

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass beads
Colour	grey
Special Features	fast solidifying,easy release (demoulding),low warpage,highly UV stabilised,heat stabilised,processing stabilised
Market Segment	Automotive,Machinery,building and construction,sport and leisure,electrical and electronic
Application Area	injection moulded parts,exterior parts,electrical components
Typical Applications	functional components,housings,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 %
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	3600 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	100 / -	MPa	ISO 178
Tensile Modulus	3600 / -	MPa	ISO 527
Tensile Stress at Yield	70 / -	MPa	ISO 527
Tensile Elongation at Yield	3.5 / -	%	ISO 527
Tensile Elongation at Break	10 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	125 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	65 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Physical Properties			
Density	1350 / -	kg/m ³	ISO 1183