

Technical Data Sheet



ALTECH PA6 A 2030/326 GF30 UV

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Colour	red
Special Features	UV stabilised, processing stabilised, nucleated
Market Segment	Automotive, Machinery, building and construction, sport and leisure
Application Area	injection moulded parts, electrical components, exterior parts, interior decoration / finishing
Typical Applications	housings, clothing / fasteners, 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	8800 / 5400	MPa	ISO 178
Flexural Strength	225 / 140	MPa	ISO 178
Tensile Modulus	9800 / 6000	MPa	ISO 527
Tensile Strength at Break	150 / 85	MPa	ISO 527
Tensile Elongation at Break	2.4 / 5.1	%	ISO 527
Impact Strength (Charpy, 23°C)	50 / 60	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7 / 10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	210 / *	°C	ISO 75-1/-2
DSC (Melt Point)	221 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1390 / -	kg/m ³	ISO 1183