

Technical Data Sheet



ALTECH PA6 A 2330/500

Base Polymer	Polyamide 6
Filler/Additive System	20 % glass fibres, 10 % glass beads
Colour	black
Special Features	heat stabilised, improved surface appearance, easy release (demoulding), processing stabilised
Market Segment	Automotive, Machinery, building and construction
Application Area	injection moulded parts, electrical components, exterior parts
Typical Applications	air duct, 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	6800 / 3800	MPa	ISO 178
Flexural Strength	200 / 117	MPa	ISO 178
Tensile Modulus	7500 / 4200	MPa	ISO 527
Tensile Strength at Break	140 / 78	MPa	ISO 527
Tensile Elongation at Break	3 / 8.5	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / 90	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	53 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8 / 16	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°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	1350 / -	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB / *	class	UL 94