

Technical Data Sheet



ALTECH PA6 A 1000/106

Base Polymer	Polyamide 6
Colour	white
Special Features	fast solidifying,easy release (demoulding),easy flow
Typical Applications	housings,handles

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 250-270 °C mould temperature 60-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2600 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	85 / -	MPa	ISO 178
Tensile Modulus	3300 / -	MPa	ISO 527
Tensile Stress at Yield	85 / -	MPa	ISO 527
Tensile Elongation at Yield	3.6 / -	%	ISO 527
Tensile Elongation at Break	9 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	285 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	200 / *	°C	ISO 306
DSC (Melt Point)	220 / *	°C	ISO 11357
Physical Properties			
Density	1160 / -	kg/m ³	ISO 1183
Flammability			
Flammability (3.0 mm)	V-2 / *	class	UL 94