

Technical Data Sheet



ALTECH PA6 A 1000/126.01 UV

Base Polymer	Polyamide 6
Colour	black,grey
Special Features	heat stabilised,UV stabilised
Market Segment	Lighting,various
Application Area	fixtures / fittings,exterior
Typical Applications	housings,fans,various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content 0,15 % max. moisture content
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	100 / -	MPa	ISO 178
Tensile Modulus	3000 / -	MPa	ISO 527
Tensile Stress at Yield	77 / -	MPa	ISO 527
Tensile Elongation at Yield	3.9 / -	%	ISO 527
Tensile Elongation at Break	18 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	57 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Physical Properties			
Density	1120 / -	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2 / *	class	UL 94
Glow Wire (GWFI, 650°C, 2.0mm)	passed	-	DIN EN 60695