



ALTECH PA6 A 1000/126.01 UV

(Last update: 31.08.2023)



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

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.



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