



ALTECH PA6 B 1000/270

(Last update: 23.08.2022)



Base Polymer	Polyamide 6
Colour	black,grey
Special Features	good flow,easy release (demoulding)
Market Segment	building and construction
Application Area	exterior parts,injection moulded parts
Typical Applications	housings,clips,functional components

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	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress (3.5% Strain)	90	MPa	ISO 178
Tensile Modulus	3000	MPa	ISO 527
Tensile Stress at Yield	85	MPa	ISO 527
Tensile Elongation at Yield	3.8	%	ISO 527
Tensile Elongation at Break	20	%	ISO 527
Impact Strength (Charpy, 23°C)	75	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)	5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	65	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.4 - 1.8	%	ISO 294-4
Physical Properties			
Density	1130	kg/m ³	ISO 1183

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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