



ALTECH PA6 A 1000/677

(Last update: 07.11.2024)



Base Polymer	Polyamide 6
Colour	white
Special Features	fast solidifying,easy release (demoulding),heat stabilised
Market Segment	building and construction,various
Application Area	interior decoration / finishing,profiles,various,injection moulded parts
Typical Applications	window profile,various

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 250-270 °C
mould temperature 60-100 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3400 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	110 / -	MPa	ISO 178
Tensile Modulus	3700 / -	MPa	ISO 527
Tensile Stress at Yield	83 / -	MPa	ISO 527
Tensile Elongation at Yield	3.8 / -	%	ISO 527
Tensile Elongation at Break	17 / -	%	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 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	67 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1 - 1.2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.4	%	ISO 294-4
Physical Properties			
Density	1110 / -	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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