

ALTECH PA6 A 1000/209

(Last update: 16.09.2013)

Base Polymer	Polyamide 6
Special Features	easy release (demoulding), high flow, fast solidifying, heat ageing stabilisation
Typical Applications	thin walled parts, protection cap, various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer, for 2-12 h, dependant on moisture content, max. moisture content
Processing Conditions	injection moulding melt temperature 250-270 °C, injection moulding mould temperature 40-80 °C
Storage	dry, protected from light, not above 30°C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	2800 / -	MPa	ISO 178
Flexural strength	105 / 55	MPa	ISO 178
Tensile modulus	3200 / 1500	MPa	ISO 527-1/-2
Tensile strength at break	85 / 45	MPa	ISO 527-1/-2
Tensile elongation at yield	4 / -	%	ISO 527-1/-2
Tensile elongation at break	15 / 50	%	ISO 527-1/-2
Charpy notched impact 1eA	4.1 / -	kJ/m ²	ISO 179/1eA
Impact strength Charpy 1eU	no break / -	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	200 / *	°C	ISO 306
HDT / A (1,8 MPa)	65 / *	°C	ISO 75-1/-2
HDT / B (0.45 MPa)	175 / *	°C	ISO 75-1/-2
Electrical Properties			
Surface resistance	* / 1E14	Ohm	IEC 60093
Specific volume resistance	1E15 / -	Ohm*m	IEC 60093
Tracking resistance	600 / -	-	IEC 60112
Physical Properties			
Density	1130 / -	kg/m ³	ISO 1183
Humidity absorption	3 / *	%	Sim. to ISO 62
Water absorption	9.5 / *	%	Sim. to ISO 62
Flammability			
Flammability, 1.5 mm	V-2 / *	class	UL 94

These are guide values and not a specification. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. It does not exempt the buyer from carrying out his own investigations and tests in order to ascertain the products' specific suitability for the purpose intended.

The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party.

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



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ALBIS expressly advises against the use of this product in any medical, pharmaceutical or diagnostic application. At all times our Conditions of Sale apply.