

ALTECH PA6 ECO 2010/506 GF10

(Last update: 12.10.2016)

Base Polymer	Polyamide 6
Filler/Additive System	10 % glass fibres
Special Features	heat ageing stabilisation, injection moulding grade
Market Segment	Machinery, various
Application Area	injection moulded parts, various
Typical Applications	housings, various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-20 h
Processing Conditions	injection moulding melt temperature 270-290 °C injection moulding mould temperature 80-90 °C
Storage	dry, protected from light not above 30°C

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	4300 / -	MPa	ISO 178
Flexural strength	140 / -	MPa	ISO 178
Tensile modulus	4400 / -	MPa	ISO 527-1/-2
Tensile strength at break	80 / -	MPa	ISO 527-1/-2
Tensile elongation at break	2 / -	%	ISO 527-1/-2
Charpy notched impact 1eA	3 / -	kJ/m ²	ISO 179/1eA
Impact strength Charpy 1eU	25 / -	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	206 / *	°C	ISO 306
HDT / A (1,8 MPa)	160 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 - 220 / *	°C	ISO 11357
Physical Properties			
Density	1210 / -	kg/m ³	ISO 1183
Humidity absorption	4 / *	%	Sim. to ISO 62
Water absorption	6 / *	%	Sim. to ISO 62

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.

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