

ALTECH PA66 B 1000/517 IM

(Last update: 20.10.2016)

Base Polymer	Polyamide 66
Special Features	heat ageing stabilisation, impact modified, easy release (demoulding)
Typical Applications	housings, 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 Conditions	injection moulding melt temperature 270-290 °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	2350	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Tensile modulus	2750	MPa	ISO 527-1/-2
Tensile stress at yield	70	MPa	ISO 527-1/-2
Tensile strength at break	55	MPa	ISO 527-1/-2
Tensile elongation at yield	4.8	%	ISO 527-1/-2
Tensile elongation at break	20	%	ISO 527-1/-2
Charpy notched impact 1eA	12	kJ/m ²	ISO 179/1eA
Charpy impact strength 1eU	no break	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	210	°C	ISO 306
HDT / A (1,8 MPa)	75	°C	ISO 75-1/-2
DSC (Melt Point)	260	°C	ISO 11357
Physical Properties			
Density	1110	kg/m ³	ISO 1183

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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into the following medical, pharmaceutical or diagnostic application categories:

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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