

ALTECH PA66 C 1000/517

(Last update: 03.05.2012)

Base Polymer	Polyamide 66
Special Features	impact modified, contains recycled material
Market Segment	Automotive, various
Typical Applications	housing and automotive trim unpainted, bearings and sliding elements, various

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 Conditions	injection moulding melt temperature 280-300 °C injection moulding mould temperature 80-120 °C
Storage	dry, protected from light not above 30°C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1800	MPa	ISO 178
Flexural Strength	70	MPa	ISO 178
Tensile Modulus	2000	MPa	ISO 527
Tensile Strength	48	MPa	ISO 527
Tensile Elongation at Break	22	%	ISO 527
Charpy Notched Impact 1eA	6	kJ/m ²	ISO 179/1eA
Charpy Notched Impact 1eA -20°C	4	kJ/m ²	ISO 179/1eA
Charpy Notched Impact 1eA -40°C	4	kJ/m ²	ISO 179/1eA
Impact Strength Charpy 1eU	52	kJ/m ²	ISO 179/1eU
Impact Strength Charpy 1eU -20°C	45	kJ/m ²	ISO 179/1eU
Impact Strength Charpy 1eU -40°C	40	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	179	°C	ISO 306
HDT / A (1.8 MPa)	55	°C	ISO 75
Rheological Properties			
MVR 275/5	60	cm ³ /10 min	ISO 1133
Physical Properties			
Density	1.1	g/cm ³	ISO 1183
DSC (Melt Point)	259	°C	DIN EN ISO 11357
Flammability			
Flammability HB 3.0 mm	passed (tested by Albis Lab)		UL 94

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.

At all times our Conditions of Sale apply.

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



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Additional Information

The material is not recommended for hot runners.