

ALTECH PA66 A 2050/100 GF50

(Last update: 08.03.2017)

Base Polymer	Polyamide 66
Filler/Additive System	50 % glass fibres
Special Features	heat ageing stabilisation,easy release (demoulding),high stiffness
Market Segment	various
Application Area	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 280-300 °C injection moulding mould temperature 80-120 °C
Storage	dry, protected from light not above 30°C

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	15000 / 13500	MPa	ISO 178
Flexural strength	340 / 295	MPa	ISO 178
Tensile modulus	16500 / 15000	MPa	ISO 527-1/-2
Tensile strength at break	230 / 195	MPa	ISO 527-1/-2
Tensile elongation at break	2.5 / 2.5	%	ISO 527-1/-2
Charpy notched impact 1eA	13 / 15	kJ/m ²	ISO 179/1eA
Charpy impact strength 1eU	90 / 80	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	256 / *	°C	ISO 306
HDT / A (1,8 MPa)	256 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Electrical Properties			
Surface resistance min	1E12	Ohm	IEC 60093
Specific volume resistance	1E15 / -	Ohm*m	IEC 60093
Tracking resistance	550 / -	-	IEC 60112
Physical Properties			
Density	1560 / -	kg/m ³	ISO 1183
Humidity absorption	1.2 / *	%	Sim. to ISO 62
Water absorption	4 / *	%	Sim. to ISO 62

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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