

ALTECH PA66 A 2030/109 GF30

(Last update: 07.03.2017)

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Special Features	heat ageing stabilisation,easy release (demoulding),high flow
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 280-300 °C injection moulding mould temperature 80-120 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	8500	MPa	ISO 178
Flexural strength	250	MPa	ISO 178
Tensile modulus	10000	MPa	ISO 527-1/-2
Tensile strength	175	MPa	ISO 527-1/-2
Tensile elongation at break	3	%	ISO 527-1/-2
Charpy notched impact 1eA	9	kJ/m ²	ISO 179/1eA
Charpy notched impact 1eA -40 °C	8	kJ/m ²	ISO 179/1eA
Charpy impact strength 1eU	70	kJ/m ²	ISO 179/1eU
Charpy impact strength 1eU -40 °C	50	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	255	°C	ISO 306
HDT / A (1,8 MPa)	250	°C	ISO 75-1/-2
DSC (Melt Point)	263	°C	ISO 11357
Rheological Properties			
Shrinkage - lengthwise	0.2 - 0.4	%	ISO 294-4
Shrinkage - lateral	0.6 - 0.8	%	ISO 294-4
Relative Viscosity (m-Cresol,c = 10 g/l)	3	-	ISO 307
Physical Properties			
Density	1360	kg/m ³	ISO 1183
Flammability			
Flammability, 0.75 mm	HB	class	UL 94
Yellow Card available	yes	-	-

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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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