Technical Data Sheet

ALTECH PA66 A 2030/109 GF30

(Last update: 24.07.2014)

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,not above 30°C

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/m²	ISO 179/1eA
Impact strength Charpy 1eU	70	kJ/m²	ISO 179/1eU
Thermal Properties			
Vicat B50	245	°C	ISO 306
HDT / A (1,8 MPa)	250	°C	ISO 75-1/-2
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, 1157, 1628
Physical Properties			
Density	1360	kg/m³	ISO 1183
Flammability			
Flammability, 0.75 mm	HB	class	UL 94