

ALTECH PA66 A 2035/507 GF35 EF

(Last update: 13.03.2017)

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Special Features	hot oil resistant,improved surface appearance,easy release (demoulding),high flow,heat ageing stabilisation
Market Segment	Automotive
Application Area	engine and drive systems
Typical Applications	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

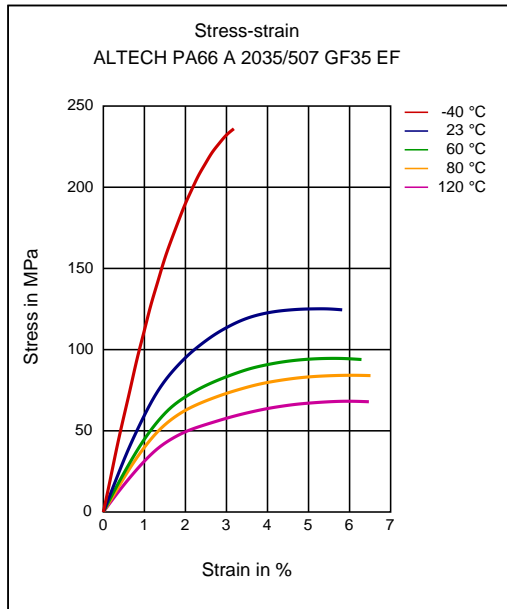
Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	10000 / 6750	MPa	ISO 178
Flexural strength	270 / 160	MPa	ISO 178
Tensile modulus	11500 / 6900	MPa	ISO 527-1/-2
Tensile strength	200 / -	MPa	ISO 527-1/-2
Tensile strength at break	- / 130	MPa	ISO 527-1/-2
Tensile elongation at break	3 / 6	%	ISO 527-1/-2
Charpy notched impact 1eA	12 / 90	kJ/m ²	ISO 179/1eA
Charpy notched impact 1eA -40°C	9	kJ/m ²	ISO 179/1eA
Charpy impact strength 1eU	70 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength 1eU -40°C	65	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	250 / *	°C	ISO 306
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Relative Viscosity (m-Cresol,c = 10 g/l)	2.6	-	ISO 307
Physical Properties			
Density	1410 / -	kg/m ³	ISO 1183

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Diagrams

Stress-strain



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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