

Technical Data Sheet



ALTECH PA66 A 2030/109 GF30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black,green,grey,natural color
Special Features	heat stabilised,easy release (demoulding),easy flow
Market Segment	Automotive
Application Area	exterior parts,interior decoration / finishing,injection moulded parts
Typical Applications	housings,different automotive powertrain parts

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
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Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500 / 6000	MPa	ISO 178
Flexural Strength	250 / 185	MPa	ISO 178
Tensile Modulus	10000 / 6400	MPa	ISO 527
Tensile Strength at Break	180 / 110	MPa	ISO 527
Tensile Elongation at Break	3.1 / 5.5	%	ISO 527
Impact Strength (Charpy, 23°C)	55 / 75	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	50 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9 / 10	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
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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Diagrams

Stress-Strain

