

Technical Data Sheet



ALTECH PA66 A 2030/310 GF30 IM

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,impact modified
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,exterior parts,chassis, steering,engine and drive systems
Typical Applications	housings,different automotive powertrain parts
Approvals	VW50180*

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 Injection Moulding melt temperature 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6700 / -	MPa	ISO 178
Flexural Strength	170 / -	MPa	ISO 178
Tensile Modulus	7600 / -	MPa	ISO 527
Tensile Strength at Break	115 / -	MPa	ISO 527
Tensile Elongation at Break	3.4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	23 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	241 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°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	1290 / -	kg/m ³	ISO 1183

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Diagrams

Stress-Strain

