

Technical Data Sheet



ALTECH PA66 A 2050/100 GF50

Base Polymer	Polyamide 66
Filler/Additive System	50 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,easy release (demoulding),high stiffness
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,interior decoration / finishing,functional components

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	15000 / 13500	MPa	ISO 178
Flexural Strength	340 / 295	MPa	ISO 178
Tensile Modulus	16500 / 15000	MPa	ISO 527
Tensile Strength at Break	230 / 195	MPa	ISO 527
Tensile Elongation at Break	2.5 / 2.5	%	ISO 527
Impact Strength (Charpy, 23°C)	90 / 80	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	256 / *	°C	ISO 75-1/-2
DSC (Melt Point)	264 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1560 / -	kg/m ³	ISO 1183