

Technical Data Sheet



ALTECH PA66 A 2040/100 GF40

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass fibres
Colour	black,natural color
Special Features	heat stabilised,easy release (demoulding),high surface gloss
Market Segment	Automotive
Application Area	injection moulded parts,interior decoration / finishing,functional components,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	11000 / -	MPa	ISO 178
Flexural Strength	300 / -	MPa	ISO 178
Tensile Modulus	13100 / -	MPa	ISO 527
Tensile Strength at Break	205 / -	MPa	ISO 527
Tensile Elongation at Break	4 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	86 / -	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	258 / *	°C	ISO 75-1/-2
DSC (Melt Point)	266 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1460 / -	kg/m³	ISO 1183