

Technical Data Sheet



ALTECH PA6 B 2015/106 GF15

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Colour	black
Special Features	high heat stabilised, high surface gloss, processing stabilised, easy release (demoulding)
Market Segment	Automotive, Machinery, electrical and electronic
Application Area	injection moulded parts
Typical Applications	handles, housings, functional components, operating elements

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 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	5000	MPa	ISO 178
Flexural Strength	170	MPa	ISO 178
Tensile Modulus	5700	MPa	ISO 527
Tensile Strength at Break	108	MPa	ISO 527
Tensile Elongation at Break	2.5	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	198	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1230	kg/m ³	ISO 1183