

Technical Data Sheet



ALTECH PA6 A 2015/210 GF15 IM

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Colour	black,grey,natural color
Special Features	impact modified,heat stabilised,injection moulding grade
Market Segment	Machinery,electrical and electronic
Application Area	power tools,injection moulded parts
Typical Applications	housings,security engineering 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 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4400 / -	MPa	ISO 178
Flexural Strength	145 / -	MPa	ISO 178
Tensile Modulus	5000 / -	MPa	ISO 527
Tensile Strength at Break	100 / -	MPa	ISO 527
Tensile Elongation at Break	4.6 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	75 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	200 / *	°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)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1200 / -	kg/m ³	ISO 1183