

Technical Data Sheet



ALTECH PA6 A 2015/710 GF15 IM

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Colour	natural color
Special Features	high impact modified,heat stabilised,nucleated
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts
Typical Applications	clothing / fasteners,housings,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 270-290 °C mould temperature 80-100 °C
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Storage	dry, protected from light
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Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3800 / -	MPa	ISO 178
Flexural Strength	135 / -	MPa	ISO 178
Tensile Modulus	4800 / -	MPa	ISO 527
Tensile Strength at Break	90 / -	MPa	ISO 527
Tensile Elongation at Break	4.2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	17 / -	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)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1180 / -	kg/m ³	ISO 1183