

Technical Data Sheet



ALTECH PA6 B 2015/100 GF15

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Colour	natural color
Special Features	heat stabilised, processing stabilised, easy release (demoulding)
Market Segment	building and construction, Machinery
Application Area	clothing / fasteners, injection moulded parts
Typical Applications	functional components, housings, handles

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	4800	MPa	ISO 178
Flexural Strength	175	MPa	ISO 178
Tensile Modulus	5400	MPa	ISO 527
Tensile Strength at Break	110	MPa	ISO 527
Tensile Elongation at Break	3.2	%	ISO 527
Impact Strength (Charpy, 23 °C)	44	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40 °C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23 °C)	6	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)	202	°C	ISO 75-1/-2
DSC (Melt Point)	221	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1220	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	HB	class	UL 94