

Technical Data Sheet



ALTECH PA6 ECO 2015/508 GF15

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Special Features	heat stabilised, contains recycled material
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 70-80 °C 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	4900	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Tensile Modulus	5800	MPa	ISO 527
Tensile Strength at Break	100	MPa	ISO 527
Tensile Elongation at Break	2.9	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	197	°C	ISO 75-1/-2
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	1240	kg/m ³	ISO 1183