

Technical Data Sheet



ALTECH PA6 ECO 2030/310 GF30 IM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised,easy release (demoulding),impact modified,contains recycled material
Market Segment	Furniture,electrical and electronic,Machinery
Application Area	interior decoration / finishing
Typical Applications	racking / shelving,fixing elements,clips

Pre-Drying Conditions	in a dry air (dessiccant) dryer <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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	6500 / 3800	MPa	ISO 178
Flexural Strength	160 / 95	MPa	ISO 178
Tensile Modulus	7300 / 4000	MPa	ISO 527
Tensile Strength at Break	95 / 65	MPa	ISO 527
Tensile Elongation at Break	3.5 / 6.5	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / 60	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 20	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8.5 / -	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			
Melt Index (MVR)	19 / *	cm ³ /10min	ISO 1133
MVR temperature	275 / *	°C	-
MVR load	5 / *	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1290 / -	kg/m ³	ISO 1183