

Technical Data Sheet

Altech® ECO

MOCOM

ALTECH PA6 ECO 2030/177 GF30

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	heat stabilised,easy release (demoulding),contains recycled material
Market Segment	Automotive,Machinery,building and construction,sport and leisure,Furniture
Application Area	injection moulded parts,interior decoration / finishing
Typical Applications	housings,functional components,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	7900	MPa	ISO 178
Flexural Strength	195	MPa	ISO 178
Tensile Modulus	9300	MPa	ISO 527
Tensile Strength at Break	140	MPa	ISO 527
Tensile Elongation at Break	2.8	%	ISO 527
Impact Strength (Charpy, 23°C)	45	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1370	kg/m³	ISO 1183