

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH PA6 ECO 2030/160 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
Typical Applications	housings

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	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8600	MPa	ISO 178
Flexural Strength	210	MPa	ISO 178
Tensile Modulus	9600	MPa	ISO 527
Tensile Strength at Break	145	MPa	ISO 527
Tensile Elongation at Break	2.5	%	ISO 527
Impact Strength (Charpy, 23°C)	60	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	205	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1370	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.77	kg CO ₂ eq./kg	ISO 14040, 14044