

Technical Data Sheet

Altech[®] ECO



ALTECH PA6 ECO 1000/588

MOCOM

Base Polymer	Polyamide 6
Special Features	fast solidifying,easy release (demoulding),heat stabilised,contains recycled material
Market Segment	electrical and electronic,Automotive,building and construction,various
Application Area	ducting / piping systems,consumer electronics,various
Typical Applications	conduit,technical profiles,various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress (3.5% Strain)	100	MPa	ISO 178
Tensile Modulus	3200	MPa	ISO 527
Tensile Stress at Yield	83	MPa	ISO 527
Tensile Elongation at Yield	4.3	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	60	°C	ISO 75-1/-2
Physical Properties			
Density	1130	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.75	kg CO ₂ eq./kg	ISO 14040, 14044