

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH PA66 ECO 2030/116.01 GF30

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres
Special Features	impact modified,processing stabilised,contains recycled material
Market Segment	Automotive,various
Application Area	cooling system,chassis, steering
Typical Applications	housing and automotive trim unpainted,impact protection / shock absorber

Pre-Drying Conditions 80 °C in a dry air (dessiccant) dryer
for 2-12 h
dependant on moisture content
0,15 % max. moisture content

Processing Injection Moulding melt temperature 280-300 °C
mould temperature 80-120 °C

Storage dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8500	MPa	ISO 178
Flexural Strength	240	MPa	ISO 178
Tensile Modulus	9400	MPa	ISO 527
Tensile Strength	155	MPa	ISO 527
Tensile Elongation at Break	2.7	%	ISO 527
Impact Strength (Charpy, 23°C)	65	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250	°C	ISO 75-1/-2
Physical Properties			
Density	1380	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.77	kg CO ₂ eq./kg	ISO 14040, 14044