

Technical Data Sheet

Altech[®] ECO

MOCOM

ALTECH PP-H ECO 2030/550 GF30 CP

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	30 % glass fibres
Special Features	chemically coupled,heat stabilised,contains recycled material
Market Segment	Automotive,building and construction,Machinery,various
Application Area	transport systems,fixtures / fittings,various
Typical Applications	clips,impact protection / shock absorber,various
Approvals	Ford Approved Source List (ASL)

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h
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Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4800	MPa	ISO 178
Flexural Strength	95	MPa	ISO 178
Tensile Modulus	5400	MPa	ISO 527
Tensile Strength at Break	60	MPa	ISO 527
Tensile Elongation at Break	4.2	%	ISO 527
Impact Strength (Charpy, 23°C)	45	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	134	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	3.5	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1150	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.81	kg CO ₂ eq./kg	ISO 14040, 14044