

Technical Data Sheet

Altech® ECO

MOCOM

ALTECH PP-B ECO 2030/925 CP UV GF30

Base Polymer	Polypropylene Heterophasic Copolymer
Filler/Additive System	30 % glass fibres
Special Features	processing stabilised,chemically coupled,UV stabilised,contains recycled material
Typical Applications	exterior parts,gardening tools,handles

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
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4600	MPa	ISO 178
Flexural Strength	90	MPa	ISO 178
Tensile Modulus	5700	MPa	ISO 527
Tensile Strength at Break	60	MPa	ISO 527
Tensile Elongation at Break	2.8	%	ISO 527
Impact Strength (Charpy, 23°C)	37	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	28	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	102	°C	ISO 306
HDT / A (1,8 MPa)	135	°C	ISO 75-1/-2
DSC (Melt Point)	163	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	7	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1130	kg/m³	ISO 1183