

Technical Data Sheet

Altech[®] ECO



ALTECH PC ECO 2030/500 GF30

MOCOM

Base Polymer	Polycarbonate
Filler/Additive System	30 % glass fibres
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-120 °C for 2-3 h in an air circulating dryer 100-120 °C for 4-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	8400	MPa	ISO 527
Tensile Strength at Break	110	MPa	ISO 527
Tensile Elongation at Break	2.4	%	ISO 527
Impact Strength (Charpy, 23°C)	55	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	11	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	135	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	6	cm ³ /10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4
Physical Properties			
Density	1430	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.74	kg CO ₂ eq./kg	ISO 14040, 14044