

Technical Data Sheet



ALTECH PC ECO 2030/200 GF30

Base Polymer	Polycarbonate
Filler/Additive System	30 % glass fibres
Special Features	contains recycled material
Market Segment	electrical and electronic, building and construction, various
Application Area	household goods, energy management, various
Typical Applications	plugs / connectors, housings, 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 %
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Processing Injection Moulding	melt temperature 310-330 °C mould temperature 80-130 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	7700	MPa	ISO 527
Tensile Strength at Break	95	MPa	ISO 527
Tensile Elongation at Break	2.5	%	ISO 527
Impact Strength (Charpy, 23°C)	45	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)	138	°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)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.4 - 0.6	%	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