

Technical Data Sheet

Altech® ECO

MOCOM

ALTECH PC ECO 2015/509 GF15

Base Polymer	Polycarbonate
Filler/Additive System	15 % glass fibres
Special Features	easy release (demoulding)
Market Segment	electrical and electronic, building and construction
Application Area	domestic appliances, electrical components
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 2-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	5400	MPa	ISO 527
Tensile Strength at Break	90	MPa	ISO 527
Tensile Elongation at Break	3.5	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	141	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	4.5	cm³/10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1300	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.55	kg CO₂ eq./kg	ISO 14040, 14044

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Flammability

Flammability (3.0 mm)

Yellow Card available

V-1

yes

class

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UL 94

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