Technical Data Sheet

Altech® ECO

ALTECH PC ECO 1000/170

MOCOM

Base Polymer	Polycarbonate
Special Features	contains recycled material,easy release (demoulding)
Market Segment	Automotive,Lighting,various
Application Area	fixtures / fittings,various
Typical Applications	housing and automotive trim unpainted,housings,various

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer 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 270-310 °C mould temperature 80-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	63	MPa	ISO 527
Tensile Elongation at Yield	6	%	ISO 527
Tensile Elongation at Break	20	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	142	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	15	cm³/10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.6 - 0.9	%	ISO 294-4
Physical Properties			
Density	1210	kg/m³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.35	kg CO_2 eq./kg	ISO 14040, 14044