

Technical Data Sheet



ALTECH PC+ABS ECO 1000/510 IM

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Special Features	contains recycled material
Market Segment	Automotive,electrical and electronic,various
Application Area	interior,domestic appliances,various
Typical Applications	housings,functional components,various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C for 2-4 h in an air circulating dryer 100-110 °C for 3-6 h dependant on moisture content
Processing Injection Moulding	melt temperature 240-280 °C mould temperature 70-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	60	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	128	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	30	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1150	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	0.8	kg CO ₂ eq./kg	ISO 14040, 14044