

Technical Data Sheet



ALTECH PC+ASA ECO 1000/506

Base Polymer	Polycarbonate +Acrylonitrile Styrene Acrylate Blend
Special Features	processing stabilised,contains recycled material
Market Segment	electrical and electronic,various
Typical Applications	sockets,plugs / connectors,various

Pre-Drying Conditions	in an air circulating dryer 100-110 °C for 3-6 h in a dry air (dessiccant) dryer 100-110 °C for 2-4 h
Processing Injection Moulding	melt temperature 250-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress (3.5% Strain)	74	MPa	ISO 178
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	57	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	70	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	60	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	134	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	13	cm ³ /10min	ISO 1133
MVR temperature	260	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.8 - 1.1	%	ISO 294-4
Physical Properties			
Density	1260	kg/m ³	ISO 1183
Ecological Properties			
Global Warming Potential (GWP)	1.11	kg CO ₂ eq./kg	ISO 14040, 14044