

Technical Data Sheet



ALTECH PC+ABS ECO 1000/106

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Special Features	processing stabilised,contains recycled material
Market Segment	electrical and electronic,Furniture,various
Application Area	fixtures / fittings,interior,consumer electronics,various
Typical Applications	housings,fixing elements,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 4-8 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			
Flexural Modulus	2300	MPa	ISO 178
Flexural Stress (3.5% Strain)	85	MPa	ISO 178
Tensile Modulus	2300	MPa	ISO 527
Tensile Stress at Yield	54	MPa	ISO 527
Tensile Elongation at Yield	3.9	%	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	120	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	12	cm ³ /10min	ISO 1133
MVR temperature	240	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
Ecological Properties			
Global Warming Potential (GWP)	1.36	kg CO ₂ eq./kg	ISO 14040, 14044