

Technical Data Sheet



ALTECH PC+ABS ECO 1000/106

**MOCOM**

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
<b>Mechanical Properties</b>			
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 <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	40	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	120	°C	ISO 306
<b>Rheological Properties</b>			
Melt Index (MVR)	12	cm <sup>3</sup> /10min	ISO 1133
MVR temperature	240	°C	-
MVR load	5	kg	-
Shrinkage (24h)	0.3 - 0.7	%	ISO 294-4
<b>Ecological Properties</b>			
Global Warming Potential (GWP)	1.36	kg CO <sub>2</sub> eq./kg	ISO 14040, 14044