

Technical Data Sheet



ALTECH PP-B ECO 1000/906

Base Polymer	Polypropylene
Special Features	processing stabilised,easy release (demoulding),contains recycled material
Market Segment	Automotive,electrical and electronic,Machinery,building and construction
Application Area	injection moulded parts
Typical Applications	housings,garden equipment,bezels

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h
-----------------------	--

Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
-------------------------------	---

Storage	dry, protected from light
---------	---------------------------

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1300	MPa	ISO 178
Flexural Stress (3.5% Strain)	30	MPa	ISO 178
Tensile Modulus	1300	MPa	ISO 527
Tensile Stress at Yield	27	MPa	ISO 527
Tensile Elongation at Yield	7.9	%	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Impact Strength (Charpy, 23°C)	55	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	71	°C	ISO 306
Rheological Properties			
Melt Index (MVR)	20	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.6 - 2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	920	kg/m ³	ISO 1183