

MAJ'ECO EN000LA

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO EN000LA is a bio polymer material intended for injection moulding.
MAJ'ECO EN000LA has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

- Boxes
- Racks
- Technical components

General Information			
Features	Updatable resources		
	Recyclable materials		
Uses	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage	4.0E-3	%	Internal method
Films	Nominal Value	Unit	Test Method
Elastic Modulus - MD ¹	3500	MPa	ASTM D882
Tensile Strength - MD ²			ASTM D882
Yield	48.0	MPa	ASTM D882
Fracture	52.0	MPa	ASTM D882
Tensile Elongation - MD ³ (Break)	3.0	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Melting Temperature (DSC)	150	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	45.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	170 - 200	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

NOTE

1.	1.0 mm/min
2.	50 mm/min
3.	50 mm/min

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