

MAJ'ECO FN050BS

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO FN050BS is a biopolymer compound intended for injection mouldings.
MAJ'ECO FN050BS 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
Density	1.10	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	110	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.5	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2/1
Tensile Stress (Break)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break)	70	%	ISO 527-2
Flexural Modulus ¹	1290	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	110	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	92.0	°C	ISO 75-2/B
Melting Temperature (DSC)	160	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 - 190	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		

Injection instructions

Holding pressure: 50 to 70% of the injection pressure

NOTE

1. 2.0 mm/min

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