

MAJ'ECO FT100BS - 1199

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO FT100BS-1199 is a biopolymer compound intended for injection moulding.
MAJ'ECO FT100BS-1199 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	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	25	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2250	MPa	ISO 527-2/1
Tensile Stress (Break)	31.5	MPa	ISO 527-2/50
Flexural Modulus ¹	1980	MPa	ISO 178
Flexural Stress	56.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	86.0	°C	ISO 75-2/A
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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