

MAJ'ECO FP374HGB

Polypropylene
AD majoris

Message:

MAJ'ECO FP374HGB is a vegetal fibre polypropylene compound intended for injection moulding.
MAJ'ECO FP374HGB has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

- Product such as:
- Boxes
 - Racks
 - Technical components

General Information			
Filler / Reinforcement	Natural fiber reinforced material		
Features	Updatable resources		
	Recyclable materials		
Uses	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	7.0	g/10 min	ISO 1133
230°C/2.16 kg	20	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.80 - 1.1	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4700	MPa	ISO 527-2/1
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Flexural Modulus ¹	4350	MPa	ISO 178
Flexural Stress	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	23	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	150 - 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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