

MAJ'ECO DP309MX

Polypropylene

AD majoris

Message:

MAJ'ECO DP309MX is a vegetal fibre polypropylene compound intended for injection moulding.
MAJ'ECO DP309MX 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	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.2	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4800	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	48.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.8	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	4000	MPa	ISO 178
Flexural Stress ² (23°C)	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	14	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

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| 1. | 2.0 mm/min |
| 2. | at Yield |

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