

MAJ'ECO DP160C

Polypropylene

AD majoris

Message:

MAJ'ECO DP160C is a vegetal fibre polypropylene compound intended for injection moulding.

MAJ'ECO DP160C 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	0.915	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	2.1 - 2.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	934	MPa	ISO 527-2/1
Tensile Stress (Break)	14.5	MPa	ISO 527-2/50
Flexural Modulus ¹	825	MPa	ISO 178
Flexural Stress ²	29.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/B
1.8 MPa, not annealed	54.0	°C	ISO 75-2/A
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
2. 50 mm/min

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