

MAJ'ECO FP204ECEL

Polyethylene

AD majoris

Message:

MAJ'ECO FP204ECEL is a vegetal fibre polyethylene compound intended for injection moulding.

MAJ'ECO FP204ECEL has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

Boxes

Bottles

Racks

Technical components...

General Information			
Filler / Reinforcement	Natural fiber reinforced material		
Features	Updatable resources		
	Recyclable materials		
Uses	Bottle		
	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1510	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.6	%	ISO 527-2/50
Flexural Modulus ¹	1480	MPa	ISO 178
Flexural Stress ²	41.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	32	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	99.0	°C	ISO 75-2/B
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.	at Yield	

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