

MAJ'ECO EP364WF - 8229

Polypropylene Copolymer

AD majoris

Message:

MAJ'ECO EP364WF - 8229 is a 30% wood fibre reinforced polypropylene compound intended for injection moulding. MAJ'ECO EP364WF - 8229 has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

- Boxes
- Racks
- Technical components

General Information			
Filler / Reinforcement	Wood fiber, 30% filler by weight		
Features	Copolymer		
	Updatable resources		
	Recyclable materials		
Uses	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.986	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.75	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2530	MPa	ISO 527-2/1
Tensile Stress (Break)	33.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.6	%	ISO 527-2
Flexural Modulus ¹	2740	MPa	ISO 178
Flexural Stress ²	57.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.8	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	21	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	147	°C	ISO 75-2/B
1.8 MPa, not annealed	91.0	°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.	at Break	

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