

MAJ'ECO DG308BS - 8229

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO DG308BS - 8229 is a glass fibre reinforced Biopolymer compound intended for injection moulding.

MAJ'ECO DG308BS - 8229 has been developed especially for demanding applications in various engineering sectors.

MAJ'ECO DG308BS - 8229 has high rigidity, good dimensional stability.

APPLICATIONS

Electrical appliances

Exterior parts

Technical components

Sports leisure

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Updatable resources		
	Recyclable materials		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Outdoor application		
	Sporting goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7510	MPa	ISO 527-2/1
Tensile Stress (Break)	72.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.6	%	ISO 527-2/50
Flexural Modulus ¹	7030	MPa	ISO 178
Flexural Stress ²	125	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	34	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	80.0	°C
Drying Time	4.0	hr
Processing (Melt) Temp	170 - 200	°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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