

MAJ'ECO CG264BS

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO CG264BS is a glass fibre reinforced Biopolymer compound intended for injection moulding.

APPLICATIONS

Electrical appliances

Technical components

Sports leisure

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Updatable resources		
	Recyclable materials		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Sporting goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	1.0	%	Internal method
Flow direction	0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4700	MPa	ISO 527-2/1
Tensile Stress (Break)	59.0	MPa	ISO 527-2/50
Tensile Strain (Break)	7.0	%	ISO 527-2/50
Flexural Modulus ¹	3450	MPa	ISO 178
Flexural Stress ²	99.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	44	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	3.0 - 4.0	hr	

Processing (Melt) Temp	170 - 210	°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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