MAJ'ECO DG304BS - 8229

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO DG304BS - 8229 is a glass fibre reinforced Biopolymer compound intended for injection moulding.
MAJ'ECO DG304BS - 8229 has been developed especially for demanding applications in various engineering sectors.
MAJ'ECO DG304BS - 8229 has high rigidity, good dimensional stability.
APPLICATIONS
Electrical appliances
Exterior parts
Technical components
Sports leisure

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% 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	1.30	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	15	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6340	MPa	ISO 527-2/1
Tensile Stress (Break)	69.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.0	%	ISO 527-2/50
Flexural Modulus [1]	6140	MPa	ISO 178
Flexural Stress [2]	120	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	38	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	151	°C	ISO 75-2/B

1.8 MPa, not annealed	131	°C	ISO 75-2/A
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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