

MAJ'ECO EWFR200BS 9445 WHITE 3

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO EWFR200BS 9445 WHITE 3 is a biopolymer compound intended for injection moulding.
MAJ'ECO EWFR200BS 9445 WHITE 3 has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

- Product such as:
- Electrical parts
 - Technical components

General Information			
Features	Updatable resources		
	Recyclable materials		
Uses	Electrical components		
Appearance	White		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	17	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.45 - 0.78	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4750	MPa	ISO 527-2/1
Tensile Stress (Break)	48.0	MPa	ISO 527-2/50
Tensile Strain (Break)	4.9	%	ISO 527-2
Flexural Modulus ¹	3750	MPa	ISO 178
Flexural Stress	84.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	24	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	150	°C	ISO 75-2/B
Ball Pressure Test (125°C)	Pass		NF C 61-303
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index			IEC 60695-2-12
1.00 mm	825	°C	IEC 60695-2-12
2.00 mm	825	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	3.0	hr
Processing (Melt) Temp	150 - 180	°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

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Recommended distributors for this material

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