

# MAJ'ECO GEP160MHA

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO GEP160MHA is a natural fibre biodegradable compound intended for injection moulding.

MAJ'ECO GEP160MHA has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

Boxes

Racks

Sport

Technical components

General Information			
Filler / Reinforcement	Natural fiber reinforced material		
Features	Updatable resources		
	Recyclable materials		
Uses	Sporting goods		
	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3050	MPa	ISO 527-2/1
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.5	%	ISO 527-2
Flexural Modulus <sup>1</sup>	2960	MPa	ISO 178
Flexural Stress <sup>2</sup>	48.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.2	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	13	kJ/m <sup>2</sup>	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	hr	
Processing (Melt) Temp	150 - 180	°C	
Mold Temperature	20.0 - 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 Yield   |

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#### Recommended distributors for this material

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