

# MAJ'ECO EP300ALA

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO EP300ALA is a natural fibre bio polymer compound intended for injection moulding.

MAJ'ECO EP300ALA has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

Boxes

Racks

Technical components

General Information			
Filler / Reinforcement	Natural fiber reinforced material		
Features	Updatable resources		
	Recyclable materials		
Uses	Bracket		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7850	MPa	ISO 527-2/1
Tensile Stress (Yield)	59.0	MPa	ISO 527-2/50
Flexural Modulus <sup>1</sup>	7200	MPa	ISO 178
Flexural Stress <sup>2</sup>	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	9.0	kJ/m <sup>2</sup>	ISO 179/1eU
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	50.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	170 - 190	°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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