

MAJ'ECO DP300SARLAR

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO DP300SARLAR is a natural fibre bio polymer compound intended for injection moulding.
MAJ'ECO DP300SARLAR 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)	17	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3910	MPa	ISO 527-2/1
Tensile Stress (Yield)	53.0	MPa	ISO 527-2/50
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus ¹	4600	MPa	ISO 178
Flexural Stress ²	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	8.0	kJ/m²	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	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

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| 1. | 2.0 mm/min |
| 2. | at Yield |

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