

MAJ'ECO BN060BS

Biodegradable Polymers

AD majoris

Message:

MAJ'ECO BN060BS is a biopolymer compound intended for injection, blow, extrusion, rotational mouldings.
MAJ'ECO BN060BS has been developed especially for demanding applications in various engineering sectors.

APPLICATIONS

Product such as:

- Boxes
- Racks
- Technical components
- Plastic bags
- Film
- Extruded profiles

General Information			
Features	Updatable resources		
	Recyclable materials		
Uses	Films		
	Bags		
	Profile		
	Bracket		
Forms	Particle		
Processing Method	Blow molding		
	rotomolding		
	Extrusion		
	Profile extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	30	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	1.6	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A	91		ISO 868
Shaw D	55		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	520	MPa	ISO 527-2/1
Tensile Stress (Yield)	13.0	MPa	ISO 527-2/50

Tensile Strain (Break)	950	%	ISO 527-2/50
Flexural Modulus ¹	450	MPa	ISO 178
Flexural Stress	20.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	48.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
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		

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