

NaturePlast PBI 003 BB

Thermoplastic Polyester

NaturePlast

Message:

Biopolyesters commercialized by Natureplast are thermoplastic resins 100% biodegradable and compostable in agreement with standards in use.

Biopolyesters can also be partially biobased.

These biopolyesters can be processed on standard equipments.

Markets: bagging, film, food processing industry packaging, cosmetics, horticulture, medical, technical parts...

Properties

Translucency, processing easiness.

Performances close to polyolefins (PE and PP) in terms of thermal and mechanical properties.

38% biobased

General Information			
Features	Comstable		
	Updatable resources		
	Biodegradable		
Uses	Films		
	Lawn and Garden Equipment		
	Bags		
	Engineering accessories		
	Cosmetics		
	Food packaging		
	Medical/nursing supplies		
Appearance	Opacity		
Forms	Particle		
Processing Method	Injection blowing molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	730	MPa	ISO 527-2
Tensile Strain (Break)	330	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	83.0	°C	ISO 75-2/B
Additional Information	Nominal Value	Unit	

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