

NaturePlast PBE 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	Biodegradable		
	Compostable		
	Renewable Resource Content		
Uses	Bags		
	Cosmetics		
	Engineering Parts		
	Film		
	Food Packaging		
	Lawn and Garden Equipment		
	Medical/Healthcare Applications		
Appearance	Translucent		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
	Film Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	780	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)	89.0	°C	ISO 75-2/B
Additional Information	Nominal Value	Unit	
Biobased Content	38	%	

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