

NaturePlast PBI 003

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.

Standard

General Information	
Features	Biodegradable Compostable
Uses	Bags Cosmetics Engineering Parts Film Food Packaging Lawn and Garden Equipment Medical/Healthcare Applications
Appearance	Opaque
Forms	Pellets
Processing Method	Injection Blow Molding Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	15 to 25	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)	94.0	°C	ISO 75-2/B

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