

NaturePlast PBE 006

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	Translucent		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
	Film Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	2.0 to 5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	85.0	MPa	ISO 527-2
Tensile Strain (Break)	> 590	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ISO 306/A

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