

NaturePlast PHE 008

Polyhydroxyalkanoate

NaturePlast

Message:

PHA-type polymers (Polyhydroxyalkanoates) are thermoplastic resins made from renewable vegetal resources, produced by bacterial sugar fermentation. PHA can be processed on standard equipments.
PHA materials are biodegradable and compostable in agreement with standards in use.
Markets : food packaging, horticulture, technical parts...
Properties
Thermal resistance, flexibility and barrier properties higher than PLA. Opaque material.
Some of PHAs are quickly biodegradable.
Standard

General Information			
Features	Barrier Resin		
	Biodegradable		
	Compostable		
	Good Flexibility		
	Renewable Resource Content		
Uses	Engineering Parts		
	Food Packaging		
	Lawn and Garden Equipment		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Calendering		
	Film Extrusion		
	Profile Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.29	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	13	%	ISO 527-2
Flexural Modulus	1840	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	37	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	136	°C	ISO 306/A

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