

NaturePlast NPC 012

Biodegradable Polymers

NaturePlast

Message:

Starch-based compounds are blends of bioplastic resins with starch, plasticized or not.
Starch-based blends are partially made from vegetal resources and are compostable in agreement with standards in use.
Starch-based blends are mainly designed for extrusion and injection molding applications and can be processed on standard equipments.
Markets: food or industrial packaging, agricultural sheet, bagging, horticulture...
Properties
Flexibility.
Fast biodegradation in soil.
Standard

General Information			
Features	Biodegradable		
	Compostable		
	Good Flexibility		
	Renewable Resource Content		
Uses	Agricultural Applications		
	Bags		
	Food Packaging		
	Industrial Applications		
	Lawn and Garden Equipment		
	Packaging		
	Sheet		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20 to 1.40	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 to 40	g/10 min	ISO 1133
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	140	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	60.0	°C	ISO 306/A

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