

NaturePlast NPC 014

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	Translucent
Forms	Pellets
Processing Method	Film Extrusion
	Profile Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	< 2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	330 to 430	%	ISO 527-2
Flexural Modulus	560	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ISO 306/A

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