

NaturePlast NPC 202

Polylactic Acid

NaturePlast

Message:

Compounds are blends of various bioplastic resins, additives and/or natural fibres in order to improve initial material properties.

The parameters that we attempt to improve are mechanical, thermal or transformation performances.

Markets : food or industrial packaging, cosmetics, horticulture, technical pieces, sport and leisure, aesthetic parts...

Properties

Improvement of flexibility, thermal properties, or impact resistance.

Impact resistant PLA

General Information			
Features	High Impact Resistance		
	Renewable Resource Content		
Uses	Cosmetics		
	Engineering Parts		
	Food Packaging		
	Industrial Applications		
	Lawn and Garden Equipment		
	Packaging		
	Sporting Goods		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (170°C/2.16 kg)	63	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	945	MPa	ISO 527-2
Tensile Strain (Break)	250	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	84	kJ/m ²	ISO 179

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