

# NaturePlast PLE 013

Polylactic Acid

NaturePlast

## Message:

PLA polymers (or Polylactic acid) are thermoplastic resins made from renewable vegetal resources and are certified as compostable in agreement with standards in use.

Some of our PLA grades are certified as GMO free.

PLA can be processed on standard equipments.

Markets : food packaging, cosmetics, horticulture, medical, technical parts...

Properties

Transparent, the most economical...

Thermal resistance, flexibility and barrier properties to improve...

High temperature

General Information	
Features	Comstable
	Updatable resources
	Good flexibility
	Heat resistance, high
	Barrier resin
Uses	Lawn and Garden Equipment
	Engineering accessories
	Cosmetics
	Food packaging
	Medical/nursing supplies
Appearance	Opacity
Forms	Particle
Processing Method	Film extrusion
	Sheet extrusion molding
	Thermoforming
	Profile extrusion molding
	Calendering

Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	28	kJ/m <sup>2</sup>	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	133	°C	ISO 75-2/B

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#### Recommended distributors for this material

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