

PLA

General Properties

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 from GMO free or European resources.

PLA can be processed on standard plastic equipments.



NaturePlast

The natural evolution of plastic



Applications

Processing: extrusion molding (film, sheet, profile...), calendering, thermoforming, injection molding, injection blowing...

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



Properties

- Transparent, the most economical...
- Thermal resistance, flexibility and barrier properties to improve...

Grade	Properties	Density	MFI (g/10 min)	Optical property	Tensile Modulus (MPa)	Tensile elongation at break (%)	Unnotched Charpy impact strength (kJ/m ²)	Thermal resistance (°C)
ISO		1183	1133		527	527	179	75-2
Extrusion								
PLE 001	Standard	1,25	4-8	transparent	3500	6	12,8	55 (HDT)
PLE 003	Standard	1,24	2-10	transparent	3300	160	-	-
PLE 005	GMO free PLLA	1,25	2-10	transparent	2690	4,6	23	51 (HDT B)
PLSF 101	Softened	1,22	3 (160°C)	transparent	1200	420	110	-
PLHT 101	Heat resistant	1,32	5	Opaque	3500	14	34	130 (HDT B)
Injection								
PLI 003	Standard	1,24	35	transparent	3500	3	16	55 (HDT)
PLI 005	GMO free PLLA	1,25	10-30	transparent	3500	4	22	53 (HDT B)
PLI 012	Blowing	1,24	5-15	transparent	3300	3	NC	NC
PDLA 001	GMO free	1,25	12	translucide	-	-	-	-
PLHT 201	Heat resistant	1,28	26	Opaque	3600	17	85	127 (HDT B)
PLHT 202	Heat resistant	1,30	34	Opaque	2400	32	120	118 (HDT B)