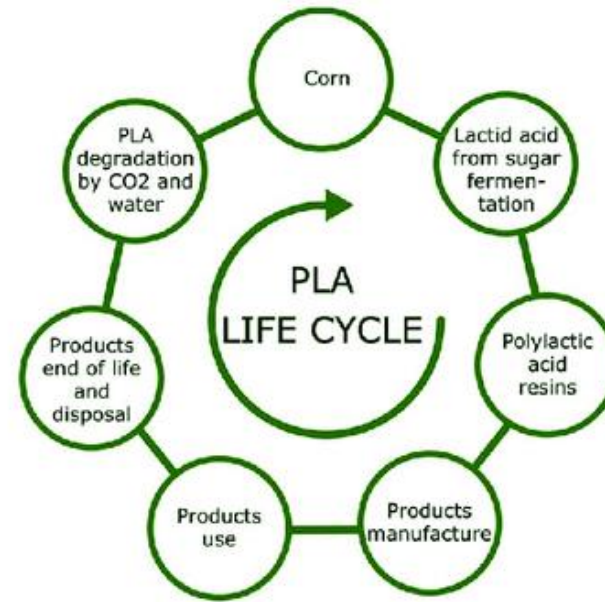
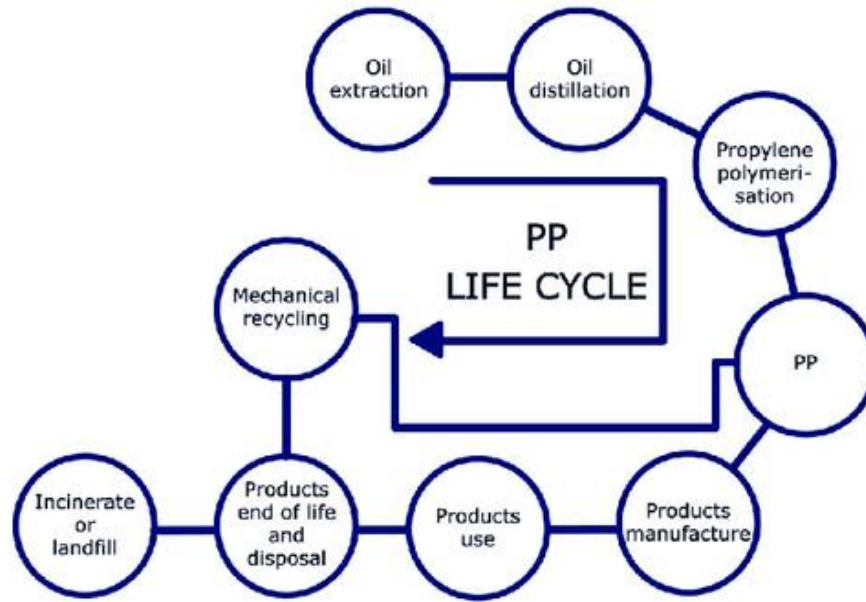


How to Procure Polylactic Acid Resins

YOUR RAW MATERIAL
FOR BIODEGRADABLE PRODUCTS ?





POLYLACTIC ACID RESINS SOURCING

PRESENTATION BY

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PLA

Poly(lactic acid) (PLA) for disposable product Biodegrade plastic resin. 3, Compared to the traditional plastic ,it can reduce over 60% co2 emission. Poly(lactic acid) as the main raw material is a polymer obtained by polymerizing, renewable sources of raw materials and can be fully, mainly corn, cassava and other raw materials.



PLA Grades Sourcing Depending on applications

PLA meet requirements for use as food containers. It contains no heavy metals or substances harmful to health. PLA comply to food migration standards.

PLA are available in different grades depending on the process i.e. thermoforming, injection molding, blown film, injection stretch blow molding (isbm), continuous yarn and fiber. PLA can be specially compounded for specific application



Buyer & Regulatory Requirements

Bio based content certification
Composability certificate
Bio degradable certificate
GMO Free
Industrial composability certificate
ISO 45001:2018
Statement regarding various substances
REACH Compliance
FDA Status

Product Certifications





Supplier Data Base

**World wide Companies, Distributors,
Importers, Brands,
Products, grades matching end use**



Documents

Technical Data Sheet, MSDS, COA, Specifications,
Composition, End use recommendations

GMO-free.pdf - Adobe Acrobat Reader DC
File Edit View Window Help

Home Tools GMO-free.pdf x

Declaration on the use of
PLA

L-Lactide (Lumilact® L)
D-Lactide (Lumilact® D)
Luminy® PLA (L105,L130,L135)
Luminy® PDLA (D070,D120)

Reference is made to EU Regulation No 1829/2003 of the European parliament and the council of 22 September 2003 on genetically modified food and feed.

Given the definitions in above mentioned regulation Total Corbion PLA only uses non-GMO raw materials in the production of Lactides in Thailand.

L-Lactide (Lumilact L) is produced in Thailand from L-Lactic acid that is produced from non-GMO sugarcane in Thailand. L-Lactide is used as the raw material for the production of Luminy PLA.

D-Lactide (Lumilact D) is produced in Thailand from D-Lactic acid that is produced from non-GMO sugarbeets in Spain. D-Lactide is used as the raw material for the production of Luminy PDLA.

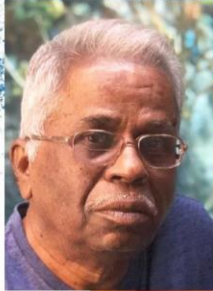
Material Chart

	Flame Resistance	Chemical Resistance	Elongation
PP	Fine	Poor	Excellent
PVC	Good	Fine	Fine
PET	Good	Excellent	Good
PLA	Excellent	Excellent	Good
CPLA	Good	Fine	Good



Imports

**PRICES, IMPORT DUTY,
SOURCING ORIGIN,
REGULATION**



QUESTIONS?

<mailto:primaryinfo@gmail.com>

Polylactide (PLA): Complete Guide to Accelerate your 'Green' Approach

Rapidly growing concerns related to environmental and health safety, limiting dependence on petrochemical raw materials, reducing carbon footprint factors driving inclination towards use of biopolymers.

There exist several biopolymers today and thanks to the excellent degradation behavior and versatility of PLA:

- » It is now widely used in packaging sector right from a niche product in organic trade to premium packaging for branded goods
- » High-performance grades, that are an excellent replacement for PS, PP, and ABS, are gaining traction in more demanding applications

What makes **PLA** a very versatile polymer and material of choice in several applications today? Let's check out in detail...

Key Features and Applications of PLA Bioplastic

Polylactide Properties

What is Polylactide (PLA)?

PLA or Polylactide (also known as Poly lactic Acid, Lactic acid polymer) is a versatile **commercial biodegradable thermoplastic based on lactic acid**. Lactic acid monomers can be produced from 100% renewable resources, like corn and sugarbeets.

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<https://omnexus.specialchem.com/selection-guide/poly lactide-pla-bioplactic#>

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