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COMPOSTABLE PLASTICS

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COMPOSTABLE BIN LINERS & STRAWS

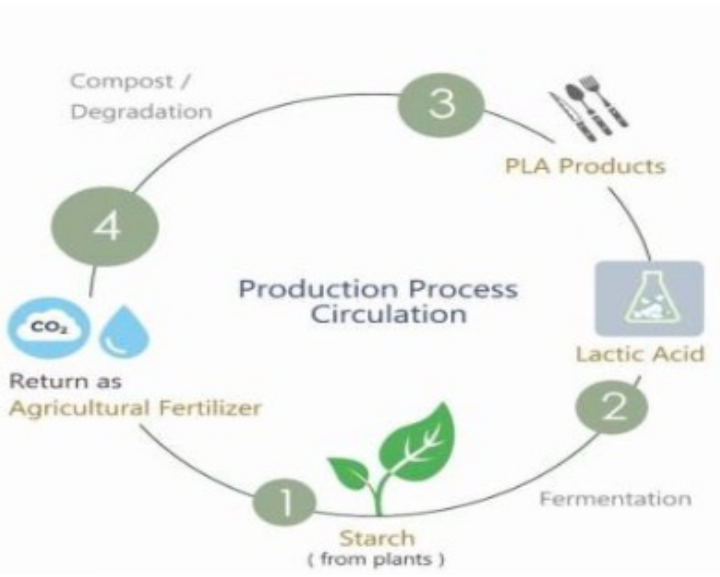
PDS offers biodegradable, compostable bin liners and straws made from poly lactic acid (PLA) to consumers, supporting them with their drive to make our environment a healthier one. These products are environmentally healthy alternatives to petroleum based plastic bin liners and straws which persist in the environment and can take up to 200 years or more to degrade. PLA products have a shelf of 12 months from date of manufacture, and are compostable in 9-12 weeks in commercial composting systems (recommended), or 6-12 months in home composting systems or 12-24 months in landfill (pending suitable composting conditions).

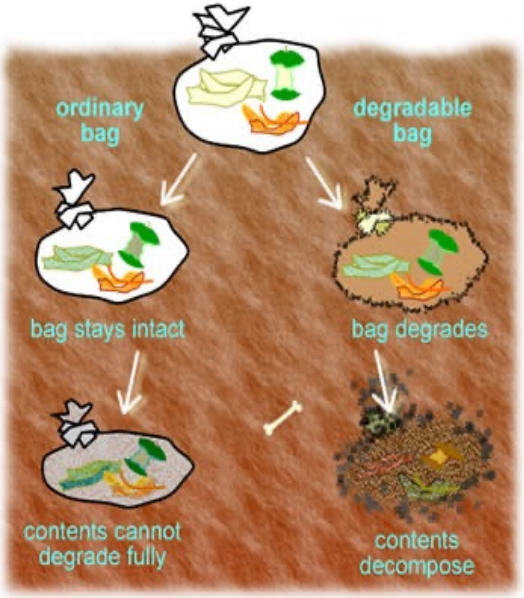
WHAT IS PLA?

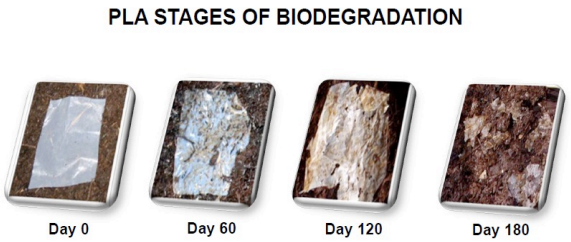
PLA, or Polylactic Acid, is a bio-based resin from renewable resources such as corn starch, tapioca roots, or sugarcane. To make PLA resin, sugar from plants is turned into lactic acid through fermentation, which is then converted into a polymer. At this stage, it is shaped into pellets which can be transformed into a wide variety of products. Manufacturing PLA resin produces 75% fewer greenhouse gasses and uses 50% less non-renewable energy than traditional plastic polymers. Products produced from PLA are biodegradable and compostable, making them environmentally healthy, naturally recyclable products.

Benefits of PLA Products:

- Certified biodegradable and compostable
- Complies with environmental regulatory bodies
- High mechanical strength







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RECOMMENDED STORAGE CONDITIONS

- Store in ambient temperature conditions, preferably under 50^0C
- Do not store in very humid conditions – preferably in RH < 80%
- Do not expose to direct sunlight

SPECIFICATIONS

- Size 1: 61 cm x 81 cm x 20 micron
- Size 2: 70 cm x 90 cm x 25 micron or 30 micron
- Suitable for home and office use.
- 15 bags per roll
- Colour: green
- Can be customized in terms of printing
- 100% biodegradable
- Non-toxic
- Impermeable to liquids

PRODUCT: Straws

DRINKING STRAWS	SIZE	STRAWS PER PACK	MOQ (CASES)	LEAD TIME
STANDARD BIO-BRANDED LOGO	6 X 210 mm	2000	20	1-2 WEEKS PENDING STOCK AVAILABILITY
STANDARD BIO-BRANDED LOGO	8 X 210 mm	2000	20	1-2 WEEKS PENDING STOCK AVAILABILITY
STANDARD BIO-BRANDED LOGO	8 X 210 mm	5000	10	1-2 WEEKS PENDING STOCK AVAILABILITY

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PRODUCT: Bin liners

BIN LINERS	SIZE	BAGS PER ROLL	MOQ (BAGS)	LEAD TIME
LIGHT GREEN OR SEMI-TRANSPARENT, 57 L	61 X 81 cm 20 micron	10	300 000	10-12 WEEKS
		10	200 000	10-12 WEEKS
		10	100 000	10-12 WEEKS
		10	50 000	10-12 WEEKS
LIGHT GREEN OR SEMI-TRANSPARENT, 87L	70 X 90 cm 25 micron	10	300 000	10-12 WEEKS
		10	200 000	10-12 WEEKS
		10	100 000	10-12 WEEKS
		10	50 000	10-12 WEEKS
LIGHT GREEN OR SEMI-TRANSPARENT, 87 L	70 X 90 cm 30 micron	10	300 000	10-12 WEEKS
		10	200 000	10-12 WEEKS
		10	100 000	10-12 WEEKS
		10	50 000	10-12 WEEKS

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DID YOU KNOW? 

What is the difference between degradable, biodegradable and compostable?

→ Degradable bags are made from plastic with other chemicals added (including heavy metals) that cause the plastic to break down and disintegrate over time when exposed to sunlight and heat. If degradable bags are released into our environment, they become quite problematic as they break down into hundreds of tiny pieces of plastic. Animals can consume the smaller pieces of plastic more readily than they would if the bags were still whole. It is also much more difficult to remove hundreds of tiny pieces of plastic from the environment than it is to remove a single bag.

→ Biodegradable bags are often still plastic bags that have microorganisms added to break down the plastic.

→ Compostable bags are made of natural plant starch, and do not produce any toxic material. Compostable bags break down readily in a composting system through microbial activity to form compost.

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