



Luminy® bioplastics made from sugarcane have a carbon footprint 75% lower than traditional plastics

# Luminy® PLA for tea bags

## Bioplastics product profile

Switching to PLA bioplastics promotes sustainability by enabling the collection and composting of tea bags with organic waste, thus contributing to the circular economy.

**New EU rule mandates compostable packaging for tea bags, single-use coffee pods, fruit labels, and lightweight plastic bags. Compostable plastics are allowed for other packaging if aiding material recycling.**

## Luminy® PLA is sustainability without compromise

- Approved for food contact and high heat
- Compostable and 100% biobased
- Neutral taste
- Reduces biowaste contamination



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# Back to Earth



**Luminy®**

PLA bioplastics for a brighter future

Biobased • Recyclable • Compostable • Innovative

TotalEnergies Corbion uses sustainably sourced sugarcane to produce Luminy® PLA, a biobased versatile and compostable plastic.

## Did you know?

Biobased compostable plastics such as PLA degrade in industrial composting facilities and disintegrate faster than orange peels and paper.\*



PLA plant pot fully disintegrated after 11 days



PLA teabags fully disintegrated after 22 days



But orange peel and banana skins were still present after 22 days

\* <https://research.wur.nl/en/publications/the-fate-of-compostable-plastic-products-in-a-full-scale-industri>

### Compostable bioplastic benefits



Extends consumable food life and avoids food waste



Provides convenience and functionality (items containing food)



Avoids contamination of food waste stream with plastic (items often thrown with food waste)



Improves hygiene



Facilitates collection of biowaste, and diverts biowaste from landfill and incineration