

ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product

CPLA Lids

Raw Material

Crystallized polylactic acid (CPLA)

Additives

Colour

Packaging

Inner: Polyethylene PE

Outer: Corrugated board box

Field Of Application

The lids can be used safely with all types of beverages under hotfill conditions or up to 2 hours at 70°C.

The lid is not suitable to be used in a microwave oven.

EC Directive 94/62/EC on Packaging and Packaging Waste

The packaging complies with all essential requirements as defined by 94/62/EC.

For example minimum adequate amount of packaging, limitation of heavy metal content, recyclable through at least one of the following: reuse, material recovery, energy recovery or composting.

Environmental Aspects

Product

Crystallized polylactic acid (CPLA) is a bioplastic produced from fermented corn starch, a surplus renewable material. The material is chemically identical to PLA but crystallized which makes it stronger.

Choose CPLA to promote the change from fossil-based plastic to biobased alternatives from plants.

Packaging

Polyethylene is a polymer produced from refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.

The corrugated board box is made from wood, which is a renewable resource.

Product Safety

The products fulfil the following:

- EU Regulation 10/2011/EC with amendments
- EU Regulation 1935/2004/EC
- EU Regulation 2023/2006/EC
- Migration tests on the article material performed by an independent institute showed that under appropriate test conditions, overall and specific (when relevant) migration falls considerably below the limit given by regulation 10/2011. (For further details, see *Declaration of Compliance*).
- Duni manufacturing units are certified according to the international quality system ISO 9001. They have also implemented the environmental management system ISO 14001.

Management Of Used Products

Energy Recovery

All the materials are suited for energy recovery. Complete combustion gives mainly rise to carbon dioxide and water. The energy content of plastics/paper is comparable to that of oil/ wood.

Compostability

The product is compostable in industrial facilities and complies with standard EN13432.

Recycling

There is currently no recycling stream for CPLA. While it may be collected, it won't get recycled. Check with the local waste handling company for best information on how to handle the product after use.

Validity

This is a copy of a document issued 2020-02-10. It is normally updated every second year or when there is a change in the manufacturing process, in the product or in legislation. To make sure that you have the latest edition, contact Duni AB.