

## ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

### **Product**

PLA glass made from PLA

### **Raw Material**

Polylactic acid (PLA)

### **Packaging**

Inner: Polyethylene (PE)

Outer: Corrugated board box

### **Field Of Application**

The products are intended for cold beverages. Maximum recommended temperature for PLA is 40°C. However, deformation and softening of the plastic glass may be observed already at 30°C due to low material thickness.

They are 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

Polylactic acid (PLA) is a bioplastic produced from fermented corn starch, a surplus renewable material. The lactic acid formed during fermentation is collected and polymerised into PLA.

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

#### Packaging

PE foil is made by refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen. The corrugated board box is to a large extent made of recycled fibres.

**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****Compostability**

The product is compostable in industrial facilities and complies with EN standard 13432:2000 for packaging recoverable through composting and biodegradation.

INDUSTRIAL composting requires industrial composting facilities. Sorting and facilities are limited to local infrastructure. Please check with the local waste handling company for best end-of-life handling.

**Recycling**

Recycling of the plastic packaging and the corrugated board is possible for producing new products. Check with the local recycling company.

Currently, there is no recycling stream for PLA. While it may be collected, it won't be recycled. Check with the local recycling company for further details.

**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.

**Validity**

This is a copy of a document issued 2022-02-28. 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, Quality Department.