

## ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

### **Product**

Duni Paper cup

### **Material**

Paperboard with PLA-lamination

### **Additive**

Printing inks – water based

### **Packaging**

Inner: Polyethylene PE

Outer: Corrugated board box

### **Field of Application**

The cups can be used for hot and cold beverages. The article can be used for hotfill and temperatures up to 70°C for 2 hours.

The cups should not be used in a microwave oven.

The cups are not suitable for beverages with high alcoholic content due to functional properties (risk of leakage).

### **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**

The cups are manufactured from virgin pulp and PLA (polylactic acid).

The paperboard and PLA-coating origins from renewable sources.

**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 product fulfils the following:

- EU Regulation 1935/2004/EC, Material and products intended for contact with foodstuff.
- EU Regulation 2023/2006/EC, Good Manufacturing Practice.
- BfRXXXVI
- Duni manufacturing units are certified according to the international quality system ISO 9001 and environmental system ISO 14001 14001 as well as to BRC for hygiene.

**Management of Used Products**Recycling

The product may be recycled with cardboard and paper materials. However, recycling depends on collection, sorting and general material acceptance. Always consult with a local waste handler for recycling recommendations.

Recycling of the plastic and the corrugated board is possible for producing new 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.

**Validity**

This is issued 2024-06-05. It is revised when there is a change in the manufacturing process, in the product or in legislation.