

## 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.