

# ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

## **Product**

Bowls, boxes, lids and plates made from bagasse (brown)

## **Raw Material**

Sugarcane fibres

## **Packaging**

Inner: Polyethylene (PE)

Outer: Corrugated board box

## **Field Of Application**

The articles can be used safely with all types of foods up to 90°C\* but they are recommended to be used mainly for non-fatty foods, e.g., salad, rice, noodles and similar dishes.

Different kinds of food can affect the functional properties of the sugarcane fibre product in different way. Be aware of limitations of the material:

- \*The bagasse in this range has low resistance for moist and grease and therefore the food can have an impact on the physical behaviour of the bagasse. When used with fatty foods and in temperatures above 30-40°C, there is an imminent risk for soaking through the material.
- The products are only recommended for long-term usage for **dry** food.
- Not to be used in conventional oven.
- Material is easily stained.

Duni customer is always recommended to first test their specific application to ensure that the product offers the required functional performance.

## **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 product is made from secondary left-over material from sugarcane fibres.

Sugarcane fibre is the fibrous residue that remains after the sugar has been extracted from the sugarcane stalks. Being a by-product and a rapidly renewable material with a low carbon footprint, it is the perfect sustainable choice.

The product has been designed for stacking and efficient handling and transportation. The material allows for lightweight design compared to many standard materials.

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## **DUNI GROUP**

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### Packaging

PE foil is made from fossil sources and is used for packaging purposes.

The corrugated board box is to a large extent made of recycled fibres.

### **Product Safety**

The products fulfil the following regulations and recommendations and have been tested accordingly:

- EU Regulation 1935/2004/EC on materials and articles intended to come into contact with food.
- EU Regulation 2023/2006/EC on good manufacturing practice for materials and articles intended to come into contact with food.
- LFGB (Lebensmittel- und Futtermittelgesetzbuch, Germany Regulation).
- No PFAS (Per- and polyfluoroalkyl substances) are intentionally added.
- 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 complies with EN standard 13432:2000 for packaging recoverable through composting and biodegradation. Industrial composting is dependent on local infrastructure.

Some areas may allow products to be disposed with food waste, but to be sure, please check with local waste handling company.

#### Recycling

The product may be recycled with cardboard and paper materials. Sorting for different waste handling alternatives need to follow local regulations.

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

### **Validity**

This is a copy of a document issued 2021-10-11. 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 Group.