ENVIRONMENTAL AND PRODUCT DATA SHEET

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

Material
Sugarcane fibres

Packaging
Inner: Polyethylene (PE)
Outer: Corrugated board box

Field Of Application
The bagasse products can be used safely with all types of foods up to 100˚C but due to functional properties please be aware:

- The bagasse material has reduced resistance for moist and grease and therefore primarily recommended for short-term use. For dry food the products can be used for long period of time.
- Not to be used in conventional oven.
- If put in refrigerator or freezer condensation on the material may lead to weakening of the material.

Different kinds of food can have an impact on the physical behaviour of the bagasse. Duni's recommendation is for the customer to test their application for their needs.

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, called bagasse. 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 a good 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.

PFAS (per- and polyfluoroalkyl substances) are not being used in any step of the manufacturing of the products.

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

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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.
- BfR XXXVI (BfR Bundesinstitut für Risikobewertung).
- Fluorinated substances in paper and cardboard food contact materials of the Ministry of Environment and Food of Denmark dated May 2018
- Duni manufacturing units are certified according to the international quality system ISO9001. They have also implemented the environmental management system ISO14001.

Management of Used Products
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.

Compostability
The product is compostable in a home compost environment which means composting allows products to biodegrade under those conditions. The products are certified for use of the 'OK Compost Home' conformity mark with certificate number TA8021903187.

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

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 2024-02-12. It is revised when there is a change in the manufacturing process, in the product or in legislation.