ENVIRONMENTAL AND PRODUCT DATA SHEET

Product
Hinged boxes and sushi trays made from sugarcane fibres

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 food, serving cold or hot up to 90˚C.

Limitations of the material:

- Bagasse is a fibrous material and for very aqueous food the bagasse is not suitable for long-term storage.
- The box can be used for gentle warming of food in a microwave at medium power level. This corresponds to power levels at 500 W up to 5 minutes.
  If higher power is used the physical behaviour can be impacted causing loss of stability
- Not to be used in conventional oven.

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.

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.

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.

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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).
- LFGB (Lebensmittel- und Futtermittelgesetzbuch, Germany Regulation).
- Duni manufacturing units are certified according to the international quality system ISO 9001. They have also implemented the environmental management system ISO 14001.

Due to the natural origin of the raw material and specific production method minor variations on material colours, evenness and material distribution may occur. This do not affect product quality or product safety.

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.

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 2023-03-06. It is revised when there is a change in the manufacturing process, in the product or in legislation.

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