ENVIRONMENTAL AND PRODUCT SAFETY DATA SHEET

Product
Bowls, boxes 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 food, serving cold or hot up to 100˚C.

Limitations of the material:

- Bagasse is a fibrous material and for very aqueous food the bagasse is not suitable for long-term storage.
- When used for boiling hot liquid food condensation may occur on the outside of the box.
- Not to be used in conventional oven.

The material has been evaluated at high temperature conditions for the use in a microwave 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.

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 by refining of mineral oil or natural gas. The polymer consists simply of carbon and hydrogen.
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 and BfR XXXVI/2 (BfR Bundesinstitut für Risikobewertung).
- LFGB (Lebensmittel- und Futtermittelgesetzbuch, Germany Regulation).
- EDI 817.023.21 (Food contact materials or articles, Swiss Regulation).
- 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 is compostable in industrial facilities and complies with EN standard 13432:2000 for packaging recoverable through composting and biodegradation. Check with the 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 2019-12-03. 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 AB, CSR and Quality Department.