

ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

Product

Laminated bagasse Take-Away tray sealable with Duniform concept. Suitable for Modified Atmosphere Packaging (MAP).

Material

Bagasse
PE/EVOH lamination

Packaging

Inner: Polyethylene PE
Outer: Corrugated board box

Field of Application

The tray can be used for all kinds of food under the following conditions:

- Chilled condition and ambient temperature (up to 40°C) for more than 24 hours) as long as the shelf life of the food is kept. MAP (Modified Atmosphere Packaging) can be used. Be aware the trays do not have lamination on the outside which can impact the sturdiness due to condensation when put in cold conditions for a longer period.
- Heating up to 70°C for up to 2 h or up to 100°C for 15 minutes (hotfill¹)
- Microwave heating up to 3 minutes at 900 W. Make sure not to use higher power and longer time than the product keeps its strength and stability during use. The bowls have been evaluated for migration at high temperature conditions (see Test conditions) but be aware microwave ovens can affect the material in different ways and cause spills and burns if precautions are not taken.

The trays are not suitable to be used in a conventional oven.

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 thin, high-barrier lamination results in 90% less plastic compared to conventional trays and makes the bagasse range suitable for MAP.

The bagasse trays do not contain any intentionally added PFAS.

¹ Definition from COMMISSION REGULATION (EU) 2016/1416: "hot-fill" means the filling of any article with a food with a temperature not exceeding 100 °C at the moment of filling, after which the food cools down to 50 °C or below within 60 minutes, or to 30 °C or below within 150 minutes.

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.
- EU Regulation 10/2011/EC with amendments, Material and products of plastic produced for contact with foodstuff.
- Migration tests on the article material performed by an independent institute showed that under appropriate test conditions, overall and specific (when relevant) migration falls considerably below the limit given by regulation 10/2011. For further details, see Declaration of Compliance.
- 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.

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. 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

Incineration of mixed waste for energy recovery is a good end-use of products. Paper and plastic may burn well with low emissions.

Incineration facilities for energy recovery are dependent on local infrastructure. Incineration for energy recovery is a good alternative when material recovery is not available by recycling.

Validity

This is issued 2024-05-07. It is revised when there is a change in the manufacturing process, in the product or in legislation.