

ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

Product

Laminated bagasse bowls and trays

Material

Bagasse

Bio lamination (mix of PLA and PBAT)

Packaging

Inner: Polyethylene PE

Outer: Corrugated board box

Field of Application

The articles can be used for all kinds of foods under the following conditions:

- Long term storage in chilled conditions or room temperature
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.
- Warm keeping at 70°C for up to 2 h or at 100°C for 15 minutes (hotfill)

Different kinds of food can have an impact on the physical behaviour of the bagasse and cause stains. 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 and PLA (polylactic acid). The cardboard and PLA-coating are renewable sources.

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

The bagasse trays do not contain any intentionally added PFAS.

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 2024-01-16. It is revised when there is a change in the manufacturing process, in the product or in legislation.