ENVIRONMENTAL AND PRODUCT DATA SHEET

Product
Bio boxes

Raw Material
Cardboard with PLA-lamination
Glue

Packaging
Inner: PE + Cardboard
Outer: Corrugated board box

Field Of Application
The boxes can be used for hot and cold food. The article can be used for hotfill and temperatures up to 70°C for 2 hours.

The boxes have been evaluated at high temperature conditions for the use in a microwave oven. However, different microwave ovens have different efficiency and might impact the material in different way.

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 boxes are manufactured from virgin pulp and PLA (polylactic acid).

The cardboard and coating origins from renewable sources.

Product is FSC certified according to “Mixed Sources” certification licence code FSC-C014985.

Packaging
Polyethylene 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. The printing ink is water-based.

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Product Safety

The product / raw material fulfil 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 food.
- 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. They have also implemented or will implement the environmental management system ISO 14001.

Management Of Used Products

Recycling

Collection, sorting and material recovery are all part of the recycling process.

Recycling of the plastic and the corrugated board is possible for producing new products. As recycling is dependent on local waste handling infrastructure make sure to check with the local recycling company.

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 2023-07-10. It is revised when there is a change in the manufacturing process, in the product or in legislation.