

ENVIRONMENTAL AND PRODUCT INFORMATION SHEET

Product

Brick boxes made from paperboard with a PLA coating.

The boxes can be used with paperboard lids or transparent lids made from 100% post-consumer recycled PET (RPET) with an antifog feature to prevent condensation. They can also be sealed with our Duniiform® concept.

Material

Cardboard with PLA-lamination

Packaging

Inner: Polyethylene PE

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 (See Test conditions) for the use in a microwave oven. However, different microwave ovens have different efficiency and might impact the material in different way.
- Remove the lid before putting the tray in the 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 boxes are manufactured from virgin pulp and PLA (polylactic acid).

The cardboard and PLA-coating origins from renewable sources.

In the manufacturing of the boxes PFAS (per- and polyfluoroalkyl substance) is **not** being used in any step.

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.
- BfRXXXVI
- 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.

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.

Compostability

The product is compostable in industrial facilities and complies with EN standard 13432:2000 for packaging recoverable through composting and biodegradation. Industrial composting is dependent on local infrastructure, make sure you follow local recommendations.

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 a copy of a document issued 2021-12-07. 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 Group.