







This specification describes articles of the material group

Plant fibers with PBAT lamination

Material description

The sugar extraction from sugar cane produces a large amount of fibers, a valuable biomass which, together with other plant fibers such as bamboo, is ground to a fine pulp with the addition of water and additives, processed and pressed into shape. Subsequently the forms are laminated with the PBAT film. PBAT - polybutyrate is a biodegradable copolymer.

Product description

Picture	Description	Article number
	Tray square	12857
	Tray rectangular	12858, 12859, 12860, 13049
	Tray rectangular, 2-compartments	12861
	Menu tray, 1-compartment	12895
	Menu tray, 2-compartment	12896
	Menu tray, 3-compartment	12897

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Material / composition

Plant fibers with PBAT lamination

Storage

Storage temperature: ambient
Relative humidity: dry
Storage conditions: keep away from direct sunlight

Purpose of use

The products are suitable for direct contact with food.

Types of food which should **NOT** come into contact with the material:

- Pure fat and oil, marinated products and oil
- Very sour pH<4,5

Applications:

- Freezer -20°C
- Hot filling, then keeping warm 70 ° C for up to 2 hours
- Single-use

Declaration of compliance

These articles meet the following regulations:

- Regulation (EC) No 2023/2006** on good manufacturing practice for materials and articles intended to come into contact with food
- Regulation (EC) No 1935/2004** on materials and articles intended to come into contact with food and
- Regulation (EU) No 10/2011** on plastic materials and articles intended to come into contact with food. And subsequent amendments until the date of the test report.
- Directive 94/62/EC** on packaging and packaging waste
- SR 817.023.21** The Swiss Ordinance on Materials and Articles in Contact with Food

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DECLARATION OF COMPLIANCE



Overall migration

Tested under the following conditions (test report SQTS 2017L49347, UEB 1828036):

Simulant	Time	Temperature
<input checked="" type="checkbox"/> E: Poly(2,6-diphenyl-p-phenylenoxid) or Tenax	10d	40°C
<input checked="" type="checkbox"/> E: Poly(2,6-diphenyl-p-phenylenoxid) or Tenax	30min	200°C
<input checked="" type="checkbox"/> Isooctane	30min	40°C
<input checked="" type="checkbox"/> Alternative simulant ethanol 95 % (v/v)	2h	60°C

The global migration values are below the limit of 10 mg/dm².

The test times and temperatures were taken from Table 4 "Conditions for Replacement Testing" of Directive 82/711/EEC or the "Guidelines on testing conditions for articles in contact with foodstuffs", CRL-NRL-FCM Publication 1st Edition [2009] , Instead of 2 hours at 70°C with D2, was tested for 30 minutes at 40°C with isooctane and 2 hours at 60°C with 95% ethanol.

Specific migration

Compliance with the regulations cited above is based, on the one hand, on the information provided by our suppliers, who do not disclose all ingredients to us due to secrecy, and on the other hand on our own migration tests, which we commissioned in order to validate the plausibility. Based on both the subcontractor's documents and own results, compliance with the specific migration can be confirmed.

A screening was performed with Tenax and ethanol 95% by volume. NIAS found were subjected to a risk assessment, if appropriate.

Calculation basis

Ratio of food contact surface area to volume used to establish the compliance of the material or article: 6 dm²/kg or 15.6 dm²/l

Heavy metals

No increased heavy metal values (lead, cadmium, chromium, mercury) were detected in the packaging. The sum of the measured elements is below the limit of 100 mg/kg according to the ChemRRV as well as the directive 94/62/EC.

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Production site: China

Bio-degradability: The products are completely bio-degradable

Certificates: tested according to DIN EN 13432, certificate No. 7P0456

Customs duty number: 4823.7000

Reclamation

Deliveries, which differ from the listed specifications, will be withdrawn and replaced after review.

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