

This specification describes articles of the material group






PLA – Poly-lactic acid

Material description

PLA is generated through the production of lactic acid from glucose from fermentation. In the second step a polymerization is added to the resulting lactic acid. The glucose is obtained by the grinding and subsequent saccharification from plants which contain starch.

PLA can be processed in similar plants as PE: injection moulding, deep-draw, sheet blowing. PLA consists of 100 percent renewable raw materials, has a high stiffness factor, is moisture and grease resistant and has a high gloss. The material is transparent, printable, bio-degradable, food-save, but not heat resistant.

Product description

Picture	Description	Article number
	Salad bowl with lid	N579, N580, N581, N582, N584
	Salad bowl with lid	N583, N585, 14359, 14360, 14361
	Salad bowl round	12559, 13650, 14517
	Lid for salad bowl round	12560
	Lid dome stackable for salad shaker / drinking cups 3 – 5 dl	11151







PRODUCT-SPECIFICATION_00710/e
DECLARATION OF COMPLIANCE

Picture	Description	Article number
	Lid dome stackable with hole for salad shaker / drinking cups 3 – 5 dl	11645
	Insert for salad shaker / drinking cups 3 – 5 dl and dessert cups 10051	N347
	Shallo insert for salad shaker / drinking cups 3 – 5 dl and dessert cups 10051	11318
	Flat lid with hole for drinking cups 2 dl / 2.5 dl	10379
	Lid dome with hole for drinking cups 2 dl / 2.5 dl	10063
	Square lid	N279, 14170
	Lid for cup dessert 10838, 11434 / 10839, 11435	10920, 10921
	Lid for salad bowls 12895, 12896, 12897	13309
	Lid flat for bowls N395/N396/N397	12012
	Lid flat for bowls 3456/3457	12049




PRODUCT-SPECIFICATION_00710/e
DECLARATION OF COMPLIANCE

Picture	Description	Article number
	Lid rectangular for 15551, 15552	15545
	Lid rectangular for 14968 & 14969	16821
	Lid square for 14966 & 14967	16823
	Round lid flat for 13517, 14970, 14971	15370
	Square lid clear for 14966, 14967	15258
	Rectangulare lid clear for 14968, 14969	15260
	Round lid dome for 13517, 14970, 14971	13343
	Dom lid round for 15549, 15550	15543
	Dom lid for 15548	15254
	Dom lid round for 15548	17491

PRODUCT-SPECIFICATION_00710/e
DECLARATION OF COMPLIANCE

Picture	Description	Article number
	Container with Lid	17522, 17523, 17524, 17525, 17526
	Flat Lid round PLA 150mm for 17011 & 17012	17590
	Flat Lid round PLA 185mm for 17013 & 17014	17592
	Rectangular Box clear, 1000ml PLA, 193x167x50mm,	18942
	Rectangular Box clear, 2000ml 228x187x77mm	18565
	Flat lid clear, PLA for item 18942	18941
	Flat lid clear, PLA for item 18565	18566
	Lid PLA, stackable, clear Ø75mm, for Art.-No. 17902	19248
	Lid PLA, stackable, clear Ø85mm, for Art.-No. 17903	19249
	Lid PLA, stackable, clear Ø96mm, for Art.-No. 17904	19250
	Lid PLA, stackable, clear Ø105mm, for Art.-No. 17905	19251

PRODUCT-SPECIFICATION_00710/e DECLARATION OF COMPLIANCE

Picture	Description	Article number
	Flat lid rectangular PLA transp. for 21023 - 21026 antifog	21085
	Round Lid flat clear PLA 120mm suitable for 20745+20746	20854
	Cup insert clear, PLA naturese, for 19476, 19477	20817
	Lid PLA 120x120mm for 21104, 21105, 21106, 21107	21127
	Pie tray, hinged triangle PLA, 155x110x35mm, naturese	15065

Material/composition

Material: Poly-lactic acid

Storage

Storage temperature: 0°C to 35°C
Relative humidity: dry
Storage conditions: keep away from direct sunlight

Purpose of use

Types of food to be in contact with the material:

all types of food

Applications:

- Temperature resistant up to 40°C
- Freezer -18°C
- Short-term contact
- Single-use

PRODUCT-SPECIFICATION_00710/e

DECLARATION OF COMPLIANCE



NOT suitable applications:

- Oven
- Microwave

Declaration of compliance

These articles meet the following regulations and are suitable for direct contact with food :

- 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
- Directive 94/62/EC** on packaging and packaging waste
- SR 817.023.21** The Swiss Ordinance on Materials and Articles in Contact with Food

Overall migration

Tested under the following conditions (Test report SQTS 2018L21730, 2018L50724):

Simulant	Time	Temperature
<input checked="" type="checkbox"/> B: Acetic acid 3 % (v/v)	3 days	40°C
<input checked="" type="checkbox"/> D2: Vegetable oil	3 days	40°C
<input checked="" type="checkbox"/> Alternative simulant Ethanol 95 % (v/v)	3 days	40°C

The global migration values are below the limit of 10 mg/dm² or 60 mg/kg.

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. The limits are observed.

Calculation basis

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

PRODUCT-SPECIFICATION_00710/e DECLARATION OF COMPLIANCE



Dual-use additives

The following dual-use additives may be included in the material:

Lactic Acid CAS 50-21-5 E270

Functional barriers

No functional barriers are used.

Production location:

Taiwan

Biological degradability:

The products are completely biodegradable

Certificates:

Tested according to DIN EN 13432
Certificate No. 7P0306*

Customs duty number:

3923.1000
3923.9000
3924.1000
3923.1090

Reclamation

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

* except Art. 21085

Created by: STOL Date: 10.01.2020	Released by: MEI Andreas Meier (Head of Purchasing)		Version: 7
--	--	---	-------------------