

# PRODUCT-SPECIFICATION\_01505/e

## DECLARATION OF COMPLIANCE



This specification describes articles of the material group

## NatureFlex

### Product description

Article number	Description	Dimensions	Thickness (my)
22247	Top Seal Film NatureFlex	340 mm x 500 RM	45
22248	Top Seal Film NatureFlex	185 mm x 500 RM	45
22249	Top Seal Film NatureFlex	210 mm x 500 RM	45
23245	Top Seal Film NatureFlex	155 mm x 500 RM	45
22996	Top Seal Film NatureFlex	450 mm x 900 RM	45

### Material / composition

NatureFlex NVS

This film is a regenerated cellulose film coated on both sides. It falls within the scope of Article 2 (c) of Directive 2007/42/EC.

The coating of the film falls under Directive (EU) No. 10/2011 Article 2 (1) (e)).

### Storage

Storage temperature: 17°C - 23°C  
Relative humidity: 35-55%  
Storage time: 6 months  
Storage conditions: keep away from direct sunlight

### Purpose of use

Types of food that should come into contact with the material:

The film meets the applicable legal requirements for contact with the food categories to which the following food simulants in Table 2 Annex III of Regulation (EU) No. 10/2011 are assigned:

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- ☒ A: ethanol 10 vol. %
- ☒ B: acetic acid 3% by weight
- ☒ C: ethanol 20 vol. %
- ☒ D1: ethanol 50 vol. %
- ☒ D2: vegetable oil
- ☒ E: poly (2,6-diphenyl-p-phenylene oxide) or tenax

Due to their physical properties, the manufacturer recommends that the films should not be used as monoweb materials for the production of articles (e.g. bags or pouches) for storing liquid foods.

Please note that the film is not approved for applications that involve direct contact with alcoholic foods or beverages in accordance with US FDA legislation. The manufacturer recommends to its customers and food packers to observe this restriction if the processed or packaged food is to be placed on the market in countries that meet the requirements of this legislation.

### Applications:

- ☒ Contact at room temperature or below for 6 months or more, i.e. without limitation of contact time
- ☒ "Warm fill" or "hot fill" at temperatures up to +70°C for periods of up to 120 minutes
- ☒ "Hot fill" at temperatures up to +80°C for periods up to 60 minutes
- ☒ "Hot fill" at temperatures up to +90°C for periods of up to 30 minutes
- ☒ "Hot fill" at temperatures up to +100°C for periods of up to 15 minutes

It is the responsibility of the customer to check the suitability of the film for its own application, including confirmation that the film is technologically suitable for use under the intended conditions.

### NOTE 1:

The manufacturer has not evaluated the performance of the films at low temperatures ( $\leq 0^{\circ}\text{C}$ ) with regard to physical properties that are required for application or storage at temperatures below  $-30^{\circ}\text{C}$  (e.g. shock freezing).

### NOTE 2:

The manufacturer did not evaluate the performance of the foils at elevated temperatures. The manufacturer recommends that the films are not used as monoweb materials for the manufacture of packaging items that are intended to store food for longer than 15 minutes at temperatures above  $+70^{\circ}\text{C}$ .



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### 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

☒ **Directive 2007/42/EC** on materials and objects made of cellophane film, which are intended to come into contact with food, Article 4

☒ **Regulation (EC) No 1935/2004** on materials and articles intended to come into contact with food : Article 3, 11(5), 15 and 17

☒ **Regulation (EU) No 10/2011** on materials and objects made of plastic that are intended to come into contact with food in the version of the regulations (EU) No. 321/2011, No. 1282/2011, No. 1183/2012 (including correction of 19.12.2012), 202/2014, 2015/174 and 2016/1416, 2047/752, 2018/79, 2018/213 ('PIM'), 2018/831 and 2019/37, article 14 ("Multimaterial multi-layer materials and objects") in relation to the plastic layers

The following regulations are **not** applicable to this film with regard to their scope:

Directive 78/142/EEC as amended on June 20, 1978  
("Vinyl chloride monomer guideline" / "VCM guideline")

The manufacturer does NOT introduce vinyl chloride monomer or materials made from vinyl chloride monomer in the manufacture of these NatureFlex films. NatureFlex films do not fall within the scope of the directive.

Directive 93/11/EEC (currently unchanged)  
("N-nitrosamine and N-nitrosatable substances")

The manufacturer does NOT (i) introduce N-nitrosamines; or (ii) substances that can be converted into N-nitrosamines ("N-nitrosatable substances") in the manufacture of these films. The film does not fall within the scope of the directive.

Regulation (EC) No. 1895/2005 (not yet changed at this time)  
("Epoxy Derivative Regulation" / "Epoxy Regulation")

The manufacturer does not introduce (i) BADGE or BADGE derivatives; (ii) BFDGE; or (iii) NOGE in the manufacture of these NatureFlex films. NatureFlex films are not within the scope of the regulation.

Regulation (EC) No. 282/2008 as amended by Regulation (EU) 2015/1906  
("Ordinance on Materials and Objects made from Recycled Plastic")

The manufacturer does NOT (i) introduce "post-consumer recycled material"; (ii) "post-consumer recovered materials"; (iii) "post-consumer plastic materials"; (iv) "post-consumer materials"; (v) "plastics after use"; (vi) "plastic article after use"; or (vii) "post-consumer waste" in the manufacture of these NatureFlex films.

These NatureFlex films do NOT contain "recycled plastics", "post-consumer materials" or "post-use materials". NatureFlex films are NOT "recycled plastic materials" or "recycled plastic items". NatureFlex films are not within the scope of the regulation (see Article 1 of the regulation).

Regulation (EU) 2018/213 (not yet changed at the current time)  
("Ordinance on the Use of Bisphenol A in Varnishes and Coatings")

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The manufacturer does NOT introduce (i) bisphenol A (BPA); or (ii) bisphenol A based epoxy resins in the manufacture of these films. Therefore, the film does not fall within the scope of the regulation.

### Specific migration information

The following monomers, or their compositions, for which a specific migration limit and restrictions apply, comply with the limit values under the specified conditions of use:

FCM Substanz Nr.	Substanz Name	SML (Limit) (mg/kg)
239	2,4,6-triamino-1,3,5-triazine (=Melamin)	2,5
246	tetrahydrofuran	0,6
254	1,4-butanediol	5
310	2,2-dimethyl-1,3-propanediol	0,05
349	trimellitic anhydride	5 (expressed as trimellitic acid)
372	hexamethylene diisocyanate	ND (LoQ = 0.01 mg/kg food)

For other substances for which specific migration limits apply: The migration must not exceed one tenth of the respective limit values, based on worst-case calculation or mathematical modeling or experimental test data.

### Calculation basis

Ratio of the area in contact with the food to the volume on the basis of which the conformity of the material or object was determined: 6 dm<sup>2</sup> / kg.  
This is the highest ratio of surface area to volume (S/V), for which the manufacturer offers a general guarantee that all described food types and time-temperature conditions are observed.

### Dual-use additives

☒ The following dual-use additives, which are regulated by REGULATION (EC) No. 1333/2008 and REGULATION (EC) No. 1334/2008, are included in the material:

E Nummer	Additive	Einschränkung im Lebensmittel (mg/kg Lebensmittel)	Migration** (% Limit in Lebensmittel)
E 321	Butylhydroxytoluol (BHT)	100	< 1

\*\* Assumption of a complete migration from one surface and one surface:  
Food mass ratio of 6 dm<sup>2</sup> per kg of food



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According to the information provided by the suppliers, the components used by the manufacturer to produce the plastic layers of these films are not formulated in such a way that they contain substances that are approved as flavors according to Regulation (EC) No. 1334/2008.

### Functional barrier

The manufacturer has not evaluated whether the film would function as a functional barrier in certain food contact applications.

**Production site:** Great Britain


**Bio-degradability:** The products are bio-degradable

**Certificates:** NatureFlex tested according to DIN EN 13432,  
DIN CERTCO certificate No. 7H0020

**Customs duty number:** 3920.7100

### Reclamation

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

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