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Dokument:

KE0300E

Druckdatum:

Declaration of Compliance

You receive from us articles of the product group:

Products made of PE-LD and PE-coex-material with colour batch and natural, printed and unprinted

The article classification (number of article and article description applicable for the declaration of conformity) is available on our homepage in the download block.
<http://www.perga.de/index.php?id=64&L=1%27>

Material: Polyethylene medium and low density (LDPE + Coex)

The articles of this product group correspond with the following legal requirements or recommendations:

1. Generally:

- EU-Framework Regulation on materials and articles intended for food contact:(EC) No. 1935/2004
- Commission Regulation (EC) No 2023/2006 (GMP-Regulation) on good manufacturing practice for materials and articles intended to come into contact with food

2. Raw Materials / Composition

EU-regulations:

- Regulation (EU) No. 10/2011 and amendments
- Heavy metals according to EU-Directive 94/62/EC on Packaging and Packaging Waste

German regulations:

- § 30 und § 31 of the German Food and Feed Law
- Commodities Regulation of 10.04.1992 and amendments
- BfR-Recommendations (e.g. III for Polyethylene)

3. Conditions of use / Compliance with threshold values

Tested conditions of use

| Leach of simulations | Time of contact | Contact temperature |
|------------------------------|-----------------|---------------------|
| A [Ethanol 10 % (v/v)] | 10 days | 40°C |
| B [Acetic acid 3 % (w/v)] | 10 days | 40°C |
| D2 Vegetable oil – olive oil | 10 days | 40°C |

| | |
|--|--|
| Ratio of the area of the food contact material to the volume used to determine the compliance of the plastic food contact material or article: | 1,95 dm ² /100 ml and 1 dm ² /50 ml resp. 1 dm ² /160 ml and 1 dm ² /165 ml |
|--|--|

Migration testing according to Regulation (EU) No. 10/2011 “on plastic materials and articles intended to come into contact with food” and requirements of the standard EN 1186-1 ff. “Materials and articles in contact with foodstuffs – Plastic”.

The overall migration values, which were calculated, lie below the permitted limit for the selected simulants, contact times and contact temperatures.

The tests determine whether or not the item from the product group mentioned above is suitable for packaging the following foodstuffs or food groups for long term storage at room temperature or below. (According to the testing condition OM 2 which is indicated in the regulation (EU) Nr. 10/2011. The described “conditions of contact with food” for OM 1 and OM 3 are also included in the testing conditions of OM2.)

| Reference number | Description of food |
|------------------|--|
| 01 | Beverages |
| 01.01 | Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6 % vol.: A. Clear drinks: Water, ciders, clear fruit or vegetable juices of normal strength or concentrated, fruit nectars, lemonades, syrups, bitters, infusions, coffee, tea, beers, soft drinks, energy drinks and the like, flavoured water, liquid coffee extract B. cloudy drinks: juices and nectars and soft drinks containing fruit pulp, musts containing fruit pulp, liquid chocolate |
| 01.02 | Alcoholic beverages of an alcoholic strength of between 6 % vol and 20 %. |
| 01.03 | Alcoholic beverages of an alcoholic strength above 20 % and all cream liquors |
| 01.04 | Miscellaneous: undenaturated ethyl alcohol |
| 02 | Cereals, cereal products, pastry, biscuits, cakes and other bakers' wares |
| 02.01 | Starches |
| 02.02 | Cereals, unprocessed, puffed, in flakes (including popcorn, corn flakes and the like) |

| Reference number | Description of food |
|------------------|---|
| 02.03 | Cereal flour and meal |
| 02.04 | Dry pasta e.g. macaroni, spaghetti and similar products and fresh pasta |
| 02.05 | Pastry, biscuits, cakes, bread, and other bakers' wares, dry: A. With fatty substances on the surface B. Other |
| 02.06 | Pastry, cakes, bread, dough and other bakers' wares, fresh: A. With fatty substances on the surface B. Other |
| 03 | Chocolate, sugar and products thereof |
| | Confectionery products |
| 03.01 | Chocolate, chocolate-coated products, substitutes and products coated with substitutes |
| 03.02 | Confectionery products: A. In solid form: I. With fatty substances on the surface II. Other B. In paste form: I. With fatty substances on the surface II. Moist |
| 03.03 | Sugar and sugar products A. In solid form: crystal or powder B. Molasses, sugar syrups, honey and the like |
| 04 | Fruit, vegetables and products thereof |
| 04.01 | Fruit, fresh or chilled: A. unpeeled and uncut B. peeled and/or cut |
| 04.02 | Processed fruit: A. Dried or dehydrated fruits, whole, sliced, flour or powder B. Fruit in the form of purée, preserves, pastes or in its own juice or in sugar syrup (jams, compote, and similar products) C. Fruit preserved in a liquid medium: I. In an oily medium II. In an alcoholic medium |
| 04.03 | Nuts (peanuts, chestnuts, almonds, hazelnuts, walnuts, pine kernels and others): A. Shelled, dried, flaked or powdered B. Shelled and roasted C. In paste or cream form |
| 04.04 | Vegetables, fresh or chilled A. unpeeled and uncut B. peeled and/or cut |
| 04.05 | Processed vegetables: A. Dried or dehydrated vegetables whole, sliced or in the form of flour or powder C. Vegetables in the form of purée, preserves, pastes or in its own juice (including pickled and in brine) D. Preserved vegetables: I. In an oily medium II. In an alcoholic medium |
| 05 | Fats and oils |
| 05.01 | Animals and vegetable fats and oils, whether natural or treated (including cocoa butter, lard, resolidified butter) |
| 05.02 | Margarine, butter and other fats and oils made from water emulsions in oil |
| 06 | Animal products and eggs |
| 06.01 | Fish: A. Fresh, chilled, processed, salted or smoked including fish eggs B. Preserved fish: I. In an oily medium II. In an aqueous medium |

| Reference number | Description of food |
|------------------|---|
| 06.02 | Crustaceans and molluscs (including oysters, mussels, snails) A. Fresh within the shell B. Shell removed, processed, preserved or cooked with the shell I. In an oily medium II. In an aqueous medium |
| 06.03 | Meat of all zoological species (including poultry and game): A. Fresh, chilled, salted, smoked B. Processed meat products (such as ham, salami, bacon, sausages, and other) or in the form of paste, creams C. Marinated meat products in an oily medium |
| 06.04 | Preserved meat: A. In an fatty or oily medium B. In an aqueous medium |
| 06.05 | Whole eggs, egg yolk, egg white A. Powdered or dried or frozen B. Liquid and cooked |
| 07 | Milk products |
| 07.01 | Milk A. Milk and milk based drinks whole, partly dried and skimmed or partly skimmed B. Milk powder including infant formula (based on whole milk powder) |
| 07.02 | Fermented milk such as yoghurt, buttermilk and similar products |
| 07.03 | Cream and sour cream |
| 07.04 | Cheeses: A. Whole, with not edible rind B. Natural cheese without rind or with edible rind (gouda, camembert, and the like) and melting cheese C. Processed cheese (soft cheese, cottage cheese and similar) D. Preserved cheese: I. In an oily medium II. In an aqueous medium (feta, mozzarella, and similar) |
| 08 | Miscellaneous products |
| 08.01 | Vinegar |
| 08.02 | Fried or roasted foods: A. Fried potatoes, fritters and the like B. Of animal origin |
| 08.03 | Preparations for soups, broths, sauces, in liquid, solid or powder form (extracts, concentrates); homogenised composite food preparations, prepared dishes including yeast and raising agents A. Powdered or dried: I. With fatty character II. Other B. any other form than powdered or dried: I. With fatty character II. Other |
| 08.04 | Sauces: A. With aqueous character B. With fatty character e.g. mayonnaise, sauces derived from mayonnaise, salad creams and other oil/water mixtures e.g. coconut based sauces |
| 08.05 | Mustard (except powdered mustard under heading 08.14) |
| 08.06 | Sandwiches, toasted bread pizza and the like containing any kind of foodstuff A. With fatty substances on the surface B. Other |
| 08.07 | Ice-creams |
| 08.08 | Dried foods: A. With fatty substances on the surface B. Other |

| Reference number | Description of food |
|------------------|---|
| 08.09 | Frozen or deep-frozen foods |
| 08.10 | Concentrated extracts of an alcoholic strength equal to or exceeding 6 % vol. |
| 08.11 | Cocoa: A. Cocoa powder, including fat-reduced and highly fat reduced B. Cocoa paste |
| 08.12 | Coffee, whether or not roasted, decaffeinated or soluble, coffee substitutes, granulated or powdered |
| 08.13 | Aromatic herbs and other herbs such as camomile, mallow, mint, tea, lime blossom and others |
| 08.14 | Spices and seasonings in the natural state such as cinnamon, cloves, powdered mustard, pepper, vanilla, saffron, salt and other |
| 08.15 | Spices and seasoning in oily medium such as pesto, curry paste |

For the manufacture of our products, materials with limits (an SML or QM value and/or Dual Use Additives) are used. Compliance with the limits for the specified types of foodstuffs and conditions of use is confirmed. These statements are based on the documentation of the issuer of the declaration of compliance (supporting documents).

According to the information provided by our raw material suppliers, the following substances can be included in the articles of the above mentioned product group:

| FCM substance No | Ref. No | CAS No | E-No | Substance name |
|------------------|-------------------------|--------------|-------|--|
| 9 | 30610 | --- | E470a | Monocarbonsäuren, C2-C24, aliphatische, geradkettige, aus natürlichen Fetten und Ölen, und deren Mono-, Di- und Triglycerinester (verzweigte Fettsäuren in natürlich vorkommenden Mengen sind eingeschlossen) |
| 19 | 39090 | --- | --- | N,N-Bis(2-hydroxyethyl)alkyl (C8-C18)amin |
| 20 | 39120 | --- | --- | N,N-Bis(2-hydroxyethyl)alkyl (C8-C18)aminhydrochloride |
| 21 | 42500 | --- | E170 | Kohlensäure, Salze |
| 41 | 56486 | --- | E471 | Ester von Glycerin mit aliphatischen gesättigten geradkettigen Säuren mit geradzahlicher Kohlenstoffkette (C14-C18) und mit aliphatischen ungesättigten geradkettigen Säuren mit geradzahlicher Kohlenstoffkette (C16-C18) |
| 69 | 74400 | --- | --- | Tris(nonyl-und/oder dinonylphenyl)phosphit |
| 95 | 95883 | --- | --- | Weißer Mineralöle, paraffinisch, gewonnen aus Kohlenwasserstoffen auf Erdölbasis |
| 106 | 24550 89040 | 0000057-11-4 | E470a | Stearinsäure [CA-salts; Ca-stearate (CAS 1592-23-0)] |
| 125 | 16950 | 0000074-85-1 | --- | Ethylen |
| 129 | 17020 | 0000075-21-8 | --- | Ethylenoxid |
| 132 | 26140 | 0000075-38-7 | --- | Vinylidenfluorid |
| 139 | 14680 44160 | 0000077-92-9 | E330 | Citronensäure |
| 141 | 13380 25600 94960 | 0000077-99-6 | --- | 1,1,1-Trimethylolpropan |
| 227 | 16990 53650 | 0000107-21-1 | --- | Ethylenglykol |
| 263 | 13326 15760 | 0000111-46-6 | --- | Diethylenglykol |

| FCM substance No | Ref. No | CAS No | E-No | Substance name |
|------------------|----------------|--------------|-------|--|
| 282 | 18430 | 0000116-15-4 | --- | Hexafluorpropylen |
| 356 | 18820 | 0000592-41-6 | --- | 1-Hexen |
| 402 | 96240 | 1314-13-2 | --- | Zink oxide |
| 409 | 62240 | 001332-37-2 | E172 | Eisenoxid |
| 411 | 42080 | 0001333-86-4 | --- | Kohlenstoffschwarz |
| 433 | 68320 | 0002082-79-3 | --- | Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat |
| 483 | 68860 | 0004724-48-5 | --- | n-Octylphosphonsäure |
| 499 | 19965 65020 | 0006915-15-7 | E296 | Apfelsäure |
| 504 | 86240 | 0007631-86-9 | E551 | Siliciumdioxid |
| 568 | 79040 | 0009005-64-5 | --- | Polyethylenglykolsorbitanmonolaurat |
| 610 | 93440 | 0013463-67-7 | E171 | Titandioxid |
| 615 | 92080 | 0014807-96-6 | E553b | Talkum |
| 638 | 23590 76960 | 0025322-68-3 | E1521 | Polyethylenglykol |
| 652 | 38820 | 0026741-53-7 | --- | Bis(2,4-di-tert-butylphenyl) pentaerythritoldiphosphit |
| 689 | 95280 | 0040601-76-1 | --- | 1,3,5-Tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazin-2,4,6 (1H,3H,5H)-trion |
| 715 | 46880 | 0065140-91-2 | --- | Monoethyl-3,5-di-tert-butyl-4-hydroxybenzylphosphonat, Calciumsalz |
| 716 | 60800 | 65447-77-0 | --- | 1-(2-hydroxyethyle)-4-hydroxy-2,2,6,6-tetramethyl |
| 740 | 81200 | 0071878-19-8 | --- | Poly[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazin-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)imino-hexamethylen-[(2,2,6,6-tetramethyl-4-piperidyl)imino] |
| 792 | 92475 | 0203255-81-6 | --- | 3,3',5,5'-Tetrakis(tert-butyl)-2,2'-dihydroxybiphenyl, cyclischer Ester mit [3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propyl] oxyphosphonsäure |
| 793 | 94000 | 0000102-71-6 | --- | Triethanolamin |
| 923 | 39150 | 0000120-40-1 | --- | N,N-Bis(2-hydroxyethyl)dodecanamid (Diethanolamin) |
| --- | --- | --- | E170 | Calciumcarbonat |
| --- | --- | --- | E470a | Calciumstearat |
| --- | --- | --- | E530 | Magnesiumoxid |
| --- | --- | --- | E172 | Eisen(III)-oxid |
| --- | --- | --- | E173 | Aluminium |
| --- | --- | --- | --- | Eisen |
| --- | --- | --- | --- | Kupfer |
| --- | --- | 0010213-78-2 | --- | Octadecylbis(2-hydroxyethyl)amine |
| --- | --- | --- | --- | Aluminiumoxid |
| --- | --- | --- | 470a | Kalziumsalze von Speisefettsäuren |
| --- | --- | --- | --- | Bariumsulfat / Barium |
| --- | --- | --- | --- | Eisen |
| --- | --- | --- | E471 | Mono- and diglycerides of fatty acids |
| --- | --- | --- | E470a | calcium salts of fatty acids |
| --- | --- | 557-05-1 | --- | Zinc stearate [Group SML = 5 mg/kg (expressed as Zn)] |
| --- | --- | --- | E504 | Magnesiumcarbonat |
| --- | --- | --- | --- | Silica |
| --- | --- | 000557-05-01 | --- | Zinc (Zn) |
| --- | --- | --- | --- | substances in raw materials of general known companys, which are subject to a secrecy agreement and may not be named |

The delivered articles does not contain a functional barrier.

General indication

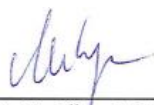
For our diverse and very extensive product range measurements are not possible in each individual cases. In a defined procedure (worst-case-procedure) we measure on different articles on a random basis the global migration. Furthermore we assure, that generally we only use raw materials for the production of films with food contact which have a certificate according to the current law for food approval.

4. 4. Conclusion

In terms of EU-framework Directive (EC) No 1935/2004 and §§ 30 and 31 LFGB, published in the Bundesgesetzblatt (Federal Law Gazette) No 55 of 6.09.2005 there are no objections against the use of the product for the manufacture of articles intended for food contact.

This declaration is valid for the product delivered by us as specified above. The Regulation (EU) Nr. 10/2011 "on plastic materials and articles intended to come into contact with food" and the requirements of the standard EN 1186-1 ff. „Materials and articles in contact with foodstuffs - plastics" provide a guideline for the selection of test conditions that has to be used for various food products. According to that and under consideration of the food contact conditions stated, the product complies with the stipulations of these Regulations regarding the packaging of food products to be packed. The user has to verify himself if the product is suitable for the intended food to be packed beyond the stipulations of the Directives.

It is expressly pointed out that any contact between printing ink and food must be avoided. This Declaration of conformity consequently does not represent a guarantee declaration.



i. V. Ellen Metzger
- QMR /BRC-representative

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