



CERTIFICATE OF CONFORMITY

Compliance to EEC Directives & FDA Regulations for Thermal Lamination Films

This is to certify that Biaxially Oriented Polypropylene (BOPP) Films & Biaxially Oriented Polyethylene terephthalate (BOPET) Films of following types are manufactured and supply by our manufacturer comply with food contact regulatory requirements as per EEC directives and FDA regulations.

Descripción producto	Descripción GFE
BOPP THERMAL GLOSS LAMINATION FILM	SPLENDUM PP G 3 8
BOPP THERMAL MATT LAMINATION FILM	SPLENDUM PP M 3 8
PET THERMAL GOLD METALLIZED LAMINATION FILM	AUREUS PET GO 2 8
PET THERMAL SILVER METALLIZED LAMINATION FILM	METALICUM PET MET 2 8

1. European Economic Commission (EEC) Directive

The above-mentioned products comply with the relevant requirement of **Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004** on materials and articles intended to come into contact with food and **Commission Regulation (EU) No 10/2011 of 14 Jan. 2011 and its further latest amendments (as below)** on plastic materials and articles intended to come into contact with food).

N°321/2011/CE
N°1282/2011/CE
N°1183/2012/CE
N°202/2014/CE
N°865/2014/CE
N°2015/174/CE
N°2025/351/CE

N°2016/1416/CE
N°2017/752/CE
N°2018/79/CE
N°2018/213/CE
N°2018/831/CE
N°2019/37/CE
N°2026/245/CE

N°2019/988/CE
N°2019/1338/CE
N°2020/1245/CE
N°2023/1442/CE
N°2023/1627/CE
N°2024/3190/CE
N°2026/250/CE

According to the provisions of the Regulation 1935/2004 and 10/2011/EC, the overall migration limit (OML), for which a maximum value of 10 mg/dm² is fixed, has to be controlled on the finished articles intended to come into contact with foodstuffs.

In order to be in full compliance with legislations on the migration of substances to foodstuffs, BOPP & BOPET films are submitted at regular intervals to migration tests carried out at the conditions listed below:



Table 1.1: Overall Migration

S. No.	Simulant Used Evaluation	Test Condition	Results (mg/dm ²)	Limits as per EEC (mg/dm ²)	Compliance
1	10% Ethanol (w/v) aqueous solution	10 days at 40°C	<5	10	Yes
2	20% Ethanol (w/v) aqueous solution	10 days at 40°C	<5	10	Yes
3	3% Acetic Acid Ethanol (w/v) aqueous solution	10 days at 40°C	<5	10	Yes
4	50% Ethanol (w/v) aqueous solution	10 days at 40°C	<5	10	Yes
5	Vegetable Oil	10 days at 40°C	<5	10	Yes
6	Simulant E (MPPO-Tenax)	10 days at 40°C	<5	10	Yes

SPECIFIC MIGRATION OF HEAVY METALS:-

Method: With reference to EN 13130-1:2004. Analysis was performed by ICP-MS

/ ICP-OES. Simulant Used: 3% Acetic acid (w/v) in aqueous solution

Test Condition: 10 days at 60 °C

Test Item	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)	Results
Specific Migration of Aluminum	0.1	1	Pass
Specific Migration of Antimony	0.01	0.04	Pass
Specific Migration of Arsenic	0.01	0.01	Pass
Specific Migration of Barium	0.25	1	Pass
Specific Migration of Cadmium	0.002	0.002	Pass
Specific Migration of Chromium	0.01	0.01	Pass
Specific Migration of Cobalt	0.01	0.05	Pass
Specific Migration of Copper	0.25	5	Pass
Specific Migration of Iron	0.25	48	Pass
Specific Migration of Lead	0.01	0.01	Pass
Specific Migration of Lithium	0.5	0.6	Pass
Specific Migration of Manganese	0.25	0.6	Pass
Specific Migration of Mercury	0.01	0.01	Pass
Specific Migration of Nickel	0.01	0.02	Pass
Specific Migration of Zinc	0.5	5	Pass
Specific Migration of Europium	0.01	0.05	Pass
Specific Migration of Gadolinium	0.01		Pass
Specific Migration of Lanthanum	0.01		Pass
Specific Migration of Terbium	0.01		Pass
			Pass



Test Item	Reporting Limit (mg/kg)	
Specific Migration of Calcium	1	Pass
Specific Migration of Magnesium	1	Pass
Specific Migration of Potassium	1	Pass
Specific Migration of Sodium	1	Pass

SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINE:

Method: With reference to EN13130-1:2004 and EU JRC guideline EUR 24815 EN 2011. Analysis was performed by LC-MS/MS.

Simulant Used: 3% Acetic Acid (w/v) in aqueous

solution Test Condition: 10 days at 60 °C

Test Item	Result (mg/kg) 1 st Migration	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
4-Aminobiphenyl	Not Detected	0.002	0.002
Benzidine	Not Detected	0.002	0.002
4-Chloro-o-toluidine	Not Detected	0.002	0.002
2-Naphthylamine	Not Detected	0.002	0.002
o-Aminoazotoluene	Not Detected	0.002	0.002
5-Nitro-o-toluidine	Not Detected	0.002	0.002
4-Chloroaniline	Not Detected	0.002	0.002
4-Methoxy-m-phenylenediamine	Not Detected	0.002	0.002
4,4'-Methylenedianiline	Not Detected	0.002	0.002
3,3'-Dichlorobenzidine	Not Detected	0.002	0.002
3,3'-Dimethoxybenzidine	Not Detected	0.002	0.002
3,3'-Dimethylbenzidine	Not Detected	0.002	0.002
4,4'-Methylenedi-o-toluidine	Not Detected	0.002	0.002
6-Methoxy-m-toluidine	Not Detected	0.002	0.002
4,4'-Methylene-bis-(2-chloro-aniline)	Not Detected	0.002	0.002

Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002
Not Detected	0.002	0.002

SML Substances: - The Films mentioned above contains chemical substances whose migration is subjected to restriction according to EU10/2011 (Table 1 and Table 2 - ANNEX I to Reg. (EU) n. 10/2011). The details of film wise SML substances will be provided separately upon request.



Non-intentionally added substances (NIAS)

Within the prescribed intended use of the above-mentioned products, and in accordance with Article 19 of Regulation (EU) No 10/2011 and its subsequent amendments, including Regulations (EU) 2020/1245 and (EU) 2025/351, concerning the presence of potential NIAS (Non-Intentionally Added Substances, including impurities and degradation products), it is hereby declared that no substances have been detected at levels exceeding the prescribed limits or requiring a specific risk assessment.

2. US Food and Drug Administration (FDA)

All the BOPP products mentioned in Table 1 meet the FDA requirements contained in the Code of Federal Regulations in Title 21 – volume 3 CFR 177.1520, revised as of April, 2014. FDA 21 CFR 177.1520(c)1.1.a. permitted by FDA for use in food-contact applications for food types identified in categories I through IX of table 1 under conditions of use A through H of table 2 in Title 21 CFR part 176.170 (c).-178.3130-178.3860-184.

The polyester base films that we use, comply with both the Food, Drug and Cosmetic Act of 1958 and all applicable indirect food additive regulations found in 21CFR§177.1630 section (f), (g), (h)(1), (2) and (i), (j) for oven baking or oven cooking at temperatures above 250 °F (121 °C).

The EVA layer in thermal BOPP and Thermal PET films complies to the 21CFR§177.1350

It is the responsibility of the converter or food packager that markets the final material or article to guarantee its compliance under actual and foreseeable conditions of use, and to check it on a regular basis.

The finished material or article should be technically suitable for the intended use. Ref.: Code

of federal regulations 21 parts 170 to 199.

3. Heavy Metals in Packaging and Packaging Waste: European Union (EU) Directive 94/62/EC

This product is in compliance with the relevant heavy metals requirements of the following regulations:

- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste ("Packaging and Packaging Waste Directive"), as amended up to Commission Directive 2018/852 of 30 May 2018.

We declare that during manufacturing of the above mentioned products, we do not use or intentionally incorporate into it any of the heavy metals substances.

In order to be in full compliance with legislations on the Heavy Metals in packaging and packaging waste, BOPP & BOPET films are submitted for Heavy Metal tests. Analysis of Lead (Pb), Cadmium (Cd) and Mercury (Hg) were performed by inductively coupled Argon Plasma Spectrometry. Analysis of Chromium (Cr⁶⁺) was performed by ICP-MS spectroscopy. The results showed that the heavy metals were not being able to detect in above mentioned products.



Table 3.1: Detection of Heavy Metals

Heavy Metals	Results (mg/kg)	Detection Limit (mg/kg)	Permissible Limit (mg/kg)
Lead (Pb)	<10	10	Total 100mg/kg
Cadmium (Cd)	<10	10	
Mercury (Hg)	<10	10	
Hexa valent Chromium (Cr ⁶⁺)	<10	10	

Regulation (EU) 2025/40, known as the Packaging and Packaging Waste Regulation (PPWR), was published in the Official Journal of the European Union on January 22, 2025. It entered into force on February 11, 2025, and its provisions will generally apply from August 12, 2026. The films are complaint to the requirement of the heavy metals and PFAS content.

Royal Decree 1055/2022- Comply with the requirement that the combined concentration of lead, cadmium, mercury, and hexavalent chromium must not exceed 100 ppm by weight

4. Commission Regulation (EC) No. 2023/2006: Good Manufacturing Practices

EC 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food. This regulation lays down the rules on good manufacturing practice (GMP) for the groups of materials and articles intended to come into contact with food. These are some of the articles which have been mentioned in EC 2023/2006:

Article 2

Scope:

This regulation shall apply to all sectors and to all stages of manufacturer, processing and distribution of materials and articles, up to but excluding the production of starting substances.

Article 5

Quality assurance system:

1. The business operator shall establish, implement and ensure adherence to an effective and documented quality assurance system.
2. Starting materials shall be selected and comply with pre-established specifications that shall ensure compliance of the material or article with the rules applicable to it.
3. The different operations shall be carried out in accordance with pre-established instructions and procedures.

Article 6

Quality control system

1. The business operator shall establish and maintain an effective quality control system.
2. The quality control system shall include monitoring of the implementation and achievement of GMP and identify measures to correct any failure to achieve GMP. Such corrective measures shall be implemented without delay and



made available to the competent authorities for inspections.

Article 7

Documentation

1. The business operator shall establish and maintain appropriate documentation in paper or electronic format with respect to specifications, manufacturing formulae and processing which are relevant to compliance and safety of the finished material or article.
2. The business operator shall establish and maintain appropriate documentation in paper or electronic format with respect to records covering the various manufacturing operations performed which are relevant to compliance and safety of the finished material or article and with respect to the results of the quality control system.
3. The documentation shall be made available by the business operator to the competent authorities at their request.

The above mentioned products are not “materials or articles” but BOPP & BOPET films which may be used for different end-applications, including food contact applications.

All products made by our manufacturer pass to the Quality Control.

Our manufacturer has a certified Quality Assurance System according to ISO 9001:2015.

5. EC No. 999/2001: Ingredient derived from animal sources- Bovine Spongiform Encephalopathy (BSE)/Transmissible Spongiform Encephalopathy (TSE)

We hereby declare that no material of any animal origin is intentionally used within the production of the above mentioned products.

Based on the absence of animal materials or materials derived from fatty acids of animal origin in the substances used in our products, to the best of our knowledge the risk of transmission of Bovine / Animal Spongiform Encephalopathy (BSE) is not relevant.

Since the presence of these substances under normal conditions cannot be expected, our manufacturer does not check their absence.

Ref.:

Note for guidance on minimizing the risk of transmitting spongiform encephalopathy agents via human and veterinary medicinal products (EMA/410/01 Rev. 2 - October 2003) adopted by the Committee for Proprietary Medicinal Products (CPMP) and by the Committee for Veterinary Products (CVMP)-(2004/C 24/03)

Commission Regulation (EC) No 1326/2001 of 29 June 2001 laying down transitional measures to permit the changeover to the Regulation of the European Parliament and of the Council (EC) No 999/2001 laying down rules for the prevention, control and eradication of certain transmissible spongiform encephalopathies, and amending Annexes VII and XI to that Regulation



Article 2

Decisions 94/381/EC, 94/474/EC and 2000/418/EC are repealed.

Twenty Fourth commission directive 2000/6/EC of 29 February 2000 adapting to technical progress Annexes II, III, VI and VII to Council Directive 76/768/EEC on the approximation of the laws of the Member States relating to cosmetic products

6. Coalition of Northeastern Governors (CONEG)

Cadmium (Cd), Chromium (Cr^{6+}), Lead (Pb) and Mercury (Hg) are not used in the manufacture of or the formulation of above mentioned products. In addition, these products meet the CONEG requirements of less than 100 ppm for total incidental Cd, Cr^{6+} , Pb and Hg.

We have tested our films according to EU Packaging Directive 94/62/EC. Article 11 incorporates the limits of the American CONEG regulation (Coalition of North-eastern Governors).

Please refer table 3.1 for the Heavy Metal test results.

7. Proposition 65 compliance

Chemicals listed in Proposition 65 are not intentionally used as additives in the manufacture of or the formulation of these products. However, we do not test these products for these chemical substances.

EVA is a copolymer of vinyl acetate and ethylene, and EVA products inherently contain a small amount of residual vinyl acetate monomer. Since we use EVA in the manufacture of these films, there is a possibility of EVA residue being present in the final product.

8. Allergens (Directive 2000/13 EU) and 1169/2011 (joint II)

We do not intentionally use no content of allergens in the manufacture of or formulation of these products. However, we do not test these products for these chemical substances.

9. Phthalates and its derivatives

Phthalates are not intentionally used or added during manufacturing of above mentioned grades in Table

1. The absence of the phthalates has not been confirmed by chemical analyses so trace levels cannot be excluded.

According to the information provided by our suppliers some polyolefin manufacturer could use a catalyst system containing phthalates. The catalyst system is almost completely consumed during the polymerization process.

Nevertheless, traces of phthalates as catalyst residues cannot be excluded and may be present.

10. IS Food Contact

Our manufacturer complies with Indian Standard IS 10910 on "Specification for polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals and drinking water. It also conforms to IS 16738:2018 on positive list of constituents for polypropylene, polyethylene and their copolymers for its safe use in contact with



foodstuffs and pharmaceuticals.

Manufacturer's films conform to Overall Migration limit of 60 mg/kg as measured by IS 9845: Determination of Overall Migration of Plastic materials and articles intended to come in contact with Food Stuffs - Method of Analysis.

11. REACH Regulations EC n°. 1907/2006

As REACH entered into force as European Regulation, we and our raw material suppliers are well aware of the projected timetable for pre-registration and registration and are fully in compliance with REACH for our abovementioned products as well as the raw material used in the manufacture of our BOPP films.

Substance of Very High Concern (SVHC)

These Products does not contain any of the Article XIV (14) candidate chemicals which are known to be Substances of Very High Concern (The candidate list of substances of very high concern (SVHC) for authorization, lastly updated on 4th Feb 2026) above the 0.1% threshold as stated in REACH (Article 57, Regulation No. 1907/2006) determined either through (i) non-use of the substance, (ii) mass balance calculation, or (iii) specific testing

The current list of all SVHCs can be found at the following link to the ECHA website:

<https://echa.europa.eu/candidate-list-table>

12. Chemical Substances

We do not intentionally add the chemical substances listed in Appendix-1 during the manufacture or formulation of these products. However, unless explicitly stated in the previous sections of this document, we do not conduct testing for these substances.

Appendix-1

1. Bisphenol A (Chemical Name: 2,2-bis (4-hydroxyphenyl)propane) CAS: 80-05-7
2. Dioxin
3. Polychlorinated Biphenyls (PCBs)
4. Polychlorinated Terphenyls (PCTs),
5. Polychlorinated Napthalenes (PCNs)
6. Polybrominated Biphenyls (PBBs)
7. Polybrominated Diphenyl ethers (PBDEs)
8. Polybrominated terphenyls (PBTs)
9. Vinyl Chloride (CAS No. 75-01-4)
10. Polyvinyl Chloride
11. Benzotriazole
12. 2-mercaptobenzothiazole (MBT)
13. BADGE- Regulation (EC) 1895/2005
14. NOGE- Regulation (EC) 1895/2005
15. BFDGE- Regulation (EC) 1895/2005
16. 2-mercaptobenzothiazole (MBT)



17. Styrene (CAS No. 100-42-5)
18. Polystyrene
19. Acrylamide (CAS No. 79-06-1)
20. Aromatic Amines
21. Epichlorohydrin (CAS No. 106-89-8)
22. Alkylphenol
23. Organo-tin Compounds
24. Fluorocarbons- Fluorotelemers, Zonyl fluoroadditives, perfluorooctane sulfonate (PFOS), Perfluoro octane sulfonate (PFOS), Perfluorooctanoic acid (PFOA), perfluorochemicals (PFS) or other fluorocarbon substances
25. Sulphur Dioxide (CAS No. 7446-09-5)
26. Polycyclic Aromatic Hydrocarbons (PAHs)
27. Fluorotelemers, Zonyl fluoroadditives, perfluorooctane sulfonate (PFOS), Perfluoro octane sulfonate (PFOS), Perfluorooctanoic acid (PFOA), perfluorochemicals (PFS) or other fluorocarbon substances

The declaration given above are applicable to the material as it leaves the manufacturer production facilities and it does not cover any substance subsequently added by the converter.

Ultimately customers must make their own determination that their use of our product is safe, lawful (except as provided in the above certifications) and technically suitable in their intended applications. This certificate shall continue in effect for 1 year from its effective date unless it is modified before and this declaration replaces all previous versions.

Technical Data Sheet

Film de polipropileno orientado biaxialmente con revestimiento EVA en la cara interior y tratamiento corona en la exterior, para aplicaciones de laminación de papel. **Excelente transparencia, brillo alta flexibilidad y resistencia.** Apto para plegados y hendidos. Óptimo deslizamiento, **durabilidad y alta adherencia para impresiones offset.** Aplicaciones: laminación o plastificación de soportes gráficos, cubiertas de libros, cartones, cajas, bolsas, carteles, ...



Properties / Propiedades		Unit	Test Method	122	181	091
GENERAL						
Thickness / Espesor		my		20	22	25
Grammage / Gramaje		kg/m ²	ASTM D 1505	18,43	20,31	21,25
Yield / Rendimiento		m ² / kg	Internal / Interno	54,26	49,24	47,06
Material type / Tipo material			Recyclable, 0% recycled			
PHYSICAL / PROPIEDADES FISICAS						
Coefficient of Friction (Outside/Outside) / Coeficiente de Fricción			ASTM D1894	0,15 - 0,30	0,15 - 0,30	0,15 - 0,30
Wetting Tension/ Tensión Superficial	Corona side	Dyne/cm	ASTM D 2578	36 - 40	38 - 40	38 - 40
	EVA side			42 - 46	44 - 48	48 - 52
MECHANICAL / PROPIEDADES MECANICAS						
Tensile strength / Resistencia a la tracción	MD	kg/mm ²	ASTM D882	1100	1100	1100
	TD			2500	2500	2500
Elongation / Elongación	MD	%	ASTM D882	190	190	190
	TD			70	70	70
OPTICAL / PROPIEDADES OPTICAS						
Gloss / Brillo (45°)		%	GB/T8807	62 ± 5	60 ± 5	58 ± 5
Haze / Dispersión de la luz (Turbidez)		%	ASTM D1003	70 ± 5	73 ± 5	75 ± 5
THERMAL / PROPIEDADES TERMICAS						
Lamination Tª / Tª Laminación		°C	Internal / Interno	90 - 100	90 - 100	90 - 100
Heat Shrinkage / Contracción por calor (5 min. 120 Deg C)	MD	%	Internal / Interno	2,0 - 5,0	2,0 - 5,0	2,0 - 5,0
	TD			0,0 - 3,0	0,0 - 3,0	0,0 - 3,0

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Otros espesores disponibles bajo demanda.

Recomendaciones:

La temperatura del almacén debe ser preferiblemente inferior a 30°C y la humedad de 55±5% en las áreas de almacenamiento.
 El material debe consumirse dentro de los seis meses posteriores a su recepción. GFE garantiza el mismo período, pero solo para material devuelto en condiciones correctas.
 El material debe mantenerse en su envoltura original hasta que se cargue en la máquina, y se recomienda acondicionar el material un mínimo de 24 horas antes de la laminación.
 El área de almacenamiento y producción debe estar libre de polvo para evitar cualquier contaminación durante la laminación.

Los datos y propiedades en este Ficha mencionados se refieren a valores promedio de pruebas de laboratorio realizadas en muestras de producción estándar del fabricante. Dicha información es únicamente para fines informativos y no es vinculante. Se entiende que esto no implica ninguna obligación o responsabilidad por nuestra parte. El cliente debe verificar la idoneidad del material para su uso final específico. Este documento no representa una especificación del producto (final). Esta información puede variar sin previo aviso.