



Polinas

Polinas Plastik San. ve Tic. A.Ş.

Date: 24/10/2014

REGULATORY COMPLIANCE CERTIFICATE

We, Polinas Plastik Sanayii ve Ticareti A.S., hereby declare that the cast barrier films of the types:

POLIBARR Y10C1, Y20C1, Y85C0, Y60A0, Y50A0

comply with the following legislations,

- A. Commission Regulation 10/2011 and its successive amendment 202/2014**
- B. Regulation 1935/2004/EC**
- C. Regulation 2023/2006/EC, American 21 CFR 174.5 (GMP for food contact materials and articles intended to come into contact with food)**
- D. Türk Gıda Kodeksi Gıda İle Temas Eden Plastik Madde Ve Malzemeler Tebliği (Tebliğ No: 2013/34 – 35)**

OVERALL MIGRATION LIMITS

We confirm that for the production of our films listed, we use only monomers, starting substances and additives listed in the Union List of Authorized Substances of 10/2011 and its successive amendment 202/2014

Films were tested according to latest directives (10/2011 and its successive amendment 1282/2011) in the following simulant to obtain global migration values for all food types

EC 10/2011

Olive Oil	Simulant D2	10 days @ 40 °C
3% acetic acid solution	Simulant B	10 days @ 40 °C
50% Ethyl alcohol solution	Simulant D1	10 days @ 40 °C

SPECIFIC MIGRATION LIMITS

During the production of our cast barrier films, we use following additives which are included in the Union List of Authorized Monomers and other starting substances in Annex I of EC Directive 10/2011 and its successive amendment 202/2014.

PM Ref Number	SML
68320	6 mg/kg
14200	15 mg/kg
41840	15 mg/kg

DUAL USE ADDITIVES :

Our films may contain following food additives

Chemical Name	Cas or PM Ref Number	E Number
Synthetic silica	CAS no 7631-86-9	E551
Talc	CAS no	E553

HEAVY METALS :

The raw materials used in the production of said cast barrier films, namely: LDPE/LLDPE, Tie layer, Polyamide 6 and EVOH based on the above mentioned resins do not contain heavy metals such as cadmium,

hexavalent chromium, lead, antimony, nickel, tin, arsenic, PBB, PBDE and mercury, as declared by the suppliers of the above mentioned raw materials.

Neither the said heavy metals nor their compounds are intentionally added during the production of the said cast barrier films, nor they are used, directly or indirectly, in the production process itself.

Any incidental amount of heavy metals contained does not exceed 100 ppm (by weight). For these reasons, we hereby declare that the said cast barrier films comply with the following regulations:

- a. USA CONEG REGULATION
- b. CEN Standard EN 71/3 and its successive amendments.
- c. 1994/62/CE (Packaging Waste Management)

GMO – DIOXINE – RESTRICTIONS-ALLERGENS – RECYCLED RAW MATERIAL USAGE:

According to the information received from our suppliers PE, EVOH, Tie layer and PA and its masterbatches used for the production of said films do not contain any genetically modified organisms (GMO)

2003/11/EC (restrictions on the marketing and use of certain dangerous substances and preparations) : please refer absence list given below.

1895/2005 EC (restriction of use of certain epoxy derivatives in materials and articles intended to come into contact with food) : please refer absence list given below.

252/2012 EC (related with dioxine and dioxine related PCB's in the food chain) is not applicable to our products.

Our films do not contain any allergic substances and we hereby confirm that our film complies with **2003/89 EC**.

Polinas films are produced only from virgin resin and do not contain post-consumer recycled components, and no obligation exists under the **282/2008/EC**

RECYCLING :

Cast barrier films can be recycled.

ABSENCE OF SUBSTANCES :

The raw materials used in the production of said barrier films do not contain the following substances, as declared by the relevant raw materials suppliers:

Latex, Bisphenol A,S,F, BHT, BHA, Polychlorinated biphenyls, 2-Ethylhexyl Acrylate, Polychlorinated naphthalates, Chlorinated Paraffins, Polybrominated biphenyls, Polybrominated diphenylethers, Organic Tin Compounds (tributyl or triphenyl tin), Asbestos, Azo Compounds, Formaldehyde, Mirex (perchlorodecone), Alkyl Phenols – Octyl & Nonyl, Alkyl Phenol Ethoxylates, , CFC, HCFC, Triclosan, PVC, PVDC, Acrylamide, Dioxin etc, BADGE, BFGDE, NOGE, Melamine, Ammeline, TXIB , PCDD (polychloride dibenzo-p-dioxin), PCDF(polychloride dibenzo-p- furan), PCB (Polychloride biphenyl), HAP (Polycyclic aromatic hydrocarbon), SCCP (Chlorinated paraffin short chain), HCH (Hexachlorocyclohexane), Hexabromocyclododecane (HBDD), PCP (Pentachlorophenol), Semicarbazide, Adipates, ESBO (Epoxidised Soybean Oil), Cyanuric acid, Dimethylfumarate, Isocyanates, Titanium Acetyl Acetate (TAA), 2-4 pentandione, pentabromodiphenyl ether, octabromo-diphenyl ether, halogenated compounds, conflict minerals (gold, wolframite, cassiterite, columbite-



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tantalite, and their derivative metals, which include tin, tungsten, and tantalum), active and intelligent substances, endocrine disruptors, ozone depleting substances, PFOA, PFOS

Neither the said substances are intentionally added during the production of the said OPP films, nor they are used, directly or indirectly, in the production process itself.

We also would like to emphasize that we did not tested the films for such substances.

Chemical List of Proposition 65:

We certify that during the production of our films, we do not use or intentionally incorporate into them, any of the chemicals as restricted by Chemical Lists of Proposition 65 of the State of California and subsequent amendments. Complete list can be downloaded from;

http://www.oehha.org/prop65/prop65_list/files/P65single12272013.pdf

REACH :

Under the REACH regulation, all the products of POLINAS (plastics films) are manufactured items obtained from polymers, and so exempted from REACH registration.

POLINAS have taken all the necessary steps to ensure that the chemical components from which POLINAS' products are obtained fulfill the obligation of the REACH registration, with specific requests of declarations from POLINAS' raw material suppliers.

Raw material suppliers to POLINAS are:

- Producers of Polymers
- Producers of Polymer Masterbatches (admixture of Polymers and other components)

Polymers are exempted from the provisions of registration of Title II of REACH (Article 2(9)).

Polymer Masterbatches are considered, in regulatory terms, "preparations", and are exempted from the provisions of registration.

Nevertheless, the obligation of registration of the individual chemical substances used by the raw material suppliers to POLINAS (Producers of Polymers and Producers of Polymer Masterbatches) goes down in the supply chain to the obliged parties that supply the base chemicals and monomers to the Producers of Polymers and Producers of Polymer Masterbatches that are the present suppliers to POLINAS.

SVHC :

Our BOPP, BOPET, CPP, Coated and Barrier Films do not contain in their composition more than 0,1% (w/w) concentration of the substances listed in SVHC (substances very high concern), which is updated regularly by ECHA.