

FOOD CONTACT**CRYLUX[®] CLEAR****DECLARATION OF COMPLIANCE**

According to Regulation (EU) No 10/2011 of 14 January 2011, on plastic materials and articles intended to come into contact with food, and their subsequent amendments.

Manufacturer:

POLYCASA Spain S.A.U.
Alimentació 6-12
Pol. Industrial La Ferreria
ES-08110 Montcada i Reixac, Barcelona
Spain

IDENTITY of ARTICLE

Cast clear sheets: Flat panels made from Polymethylmethacrylate from 3 mm to 35 mm thickness.

TRADE NAME

CRYLUX[®] clear – CRYLUX[®] design clear.

CONFORMANCE WITH REGULATIONS

Sheets are in conformity with requirements of **Regulation (EC) No 1935/2004** on materials and articles intended to come into contact with food, repealing Directives 80/590/EEC and 89/109/EEC. The used monomers and other raw materials meet the requirements of **(EU) Regulation No 10/2011**, including purity criteria in accordance with **Directives 2008/60/EC, 95/45/EC and 2008/84/EC**. CRYLUX[®] clear sheets correspond to the requested specific migration restrictions of the used raw materials, and dual use additives are not used in the formulation.

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The sheets are made from PMMA polymer. Substances which are under restriction of (EU) Regulation No 10/2011 as follows:

- COMPLIANCE TEST FOR OVERALL MIGRATION LIMIT (OML):

Plastic materials and articles shall not transfer their constituents to food simulants in quantities exceeding **10 milligrams of total constituents released per dm²** of food contact surface (mg/dm²).

- COMPLIANCE TESTS FOR SPECIFIC MIGRATION LIMIT (SML):

Substance Reference Number	Group Restriction N°	SML(T)
21130	23	6 mg/kg
11470	22	6 mg/kg
61440	12	30 mg/kg

SML(T): Specific Migration Limit depending on the considered restriction group.

Substance Reference Number	Group Restriction N°	SML
91530	-	5 mg/kg

RESULTS

- Overall Migration – test contact conditions:

The determination of the overall migration is performed according to UNE-EN 1186-3 “Materials and articles in contact with foodstuffs. Plastics. Part 3: Tests methods for overall migration into aqueous food simulant by total immersion”, and UNE-EN 1186-14 “Materials and articles in contact with foodstuffs. Plastics. Part 14: Tests methods for “substitute tests” for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95% ethanol”.

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Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food, determines the migration tests conditions to be applied in each kind of sample and application. The conditions for these test samples are:

Simulant	Exposure time	Exposure temperature
A – Ethanol 10%	10 days	40°C
B – Acetic acid 3%	10 days	40°C
Substitute D2 – Ethanol 95% Iso-octane	2 days ⁽¹⁾	20°C ⁽¹⁾
	10 days ⁽¹⁾	40°C ⁽¹⁾

(1) Equivalent conditions to 10 days at 40°C into olive oil (simulant D2).

Standardized testing conditions for any long-term storage at room temperature or below, including when packaged under hot-fill conditions, and/ or heating up to a temperature T where $70\text{ °C} \leq T \leq 100\text{ °C}$ for a maximum of $t = 120/2^{(T-70)/10}$ minutes. Repeated use.

- Results:

Simulant	Results
A - Ethanol 10%	< 2 mg/dm ²
B - Acetic acid 3%	< 2 mg/dm ²
Substitute D2 – Ethanol 95% Iso-octane	< 2 mg/dm ²
	< 2 mg/dm ²

The ratio of food contact surface area to volume used in the tests to establish the compliance of the sample is 11,8 dm²/kg.

- Specific Migration - test contact conditions:

The determination of the specific migration is performed according to UNE-EN 13130-1 “Guide to test methods for the specific migration of substances from plastic to food and food simulants and the determination of substances in plastics and selection of conditions of exposure to food simulants”.

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Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food, determines the migration tests conditions to be applied in each kind of sample and application. The conditions for these test samples are:

Substance Reference number	Simulant	Exposure time	Exposure temperature
21130	A - Ethanol 10%	10 days	50°C
	D2 - Vegetal oil	10 days	50°C
11470	A - Ethanol 10%	10 days	50°C
	D2 - Vegetal oil	10 days	50°C
61440	Substitute D2 - Ethanol 95%	10 days	50°C
91530	A – Ethanol 10%	10 days	50°C
	Substitute D2 - Ethanol 95%	10 days	50°C

Testing for 10 days at 50 °C shall cover all storage times of up to 6 months at room temperature, including hot-fill conditions and/or heating up to 70 °C ≤ T ≤ 100 °C for maximum $t = 120/2^{(T-70)/10}$ minutes.

- Results

Substance Reference number	Simulant	Results [mg/kg]	Ratio food contact surface area/volume
21130	A - Ethanol 10%	<0,43 ⁽²⁾	10 dm ² /kg
	D2 - Vegetal oil	<0,43 ⁽²⁾	10 dm ² /kg
11470	A - Ethanol 10%	<0,36 ⁽²⁾	10 dm ² /kg
	D2 - Vegetal oil	<0,36 ⁽²⁾	10 dm ² /kg
61440	Substitute D2 - Ethanol 95%	<8,3 ⁽²⁾	7 dm ² /kg
91530	A – Ethanol 10%	<2 ⁽²⁾	4,8 dm ² /kg
	Substitute D2 - Ethanol 95%	<2 ⁽²⁾	4,8 dm ² /kg

(2) Limit of quantification.

FOOD CONTACT**CRYLUX® CLEAR****SPECIFICATION ON THE USE OF THE SHEETS IN CONTACT WITH FOOD**

ANY FOOD CONTACT is allowed; covering all storage times of up to 6 months at room temperature, including hot-fill conditions and/or heating up to $70\text{ °C} \leq T \leq 100\text{ °C}$ for maximum $t = 120/2^{(T-70)/10}$ minutes.

SPECIAL NOTICES:

POLYCASA delivers semi-finished plastic sheets, which are subject to further processing steps.

Machining, thermal forming, assembling, gluing and as well surface treatments as printing, polishing, could influence and contaminate the product. So the above – mentioned declaration does not relate to finished article only to the delivered sheets. The manufacturer or user has to verify whether the product is suitable for its final application, e.g. whether the final product might affect the taste or smell of food or whether the limitations (e.g. global migration, specific limits and other analytic requirements) are observed.

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POLYCASA**