



PERSPEX[®] CAST ACRYLIC SHEET FOOD CONTACT GRADES: CLEAR & COLOURS

February 2019

COMPLIANCE WITH EUROPEAN FOOD CONTACT REGULATIONS

Declaration of Compliance for Perspex[®] Cast Acrylic Sheet intended to be used in the manufacture of food contact materials and articles.

The information included in this document is valid from stated version date until this document is superseded.

Perspex International Ltd can confirm that the Perspex[®] Cast Acrylic Sheet Food Contact Grades: Clears and Colours which are suitable to be used in the manufacture of materials and articles intended to come into contact with food comply with the relevant requirements as laid down in:

- Framework Regulation (EC) 1935/2004 (dated 27-10-2004), articles 3 and 17.
- EU Commission Regulation (EU) 10/2011 relating to plastic materials and its subsequent amendments.
- Fabricated test specimens have been tested according to EU Regulations.
- Perspex[®] Cast Acrylic Sheet has been manufactured in accordance with the relevant requirements of Commission Regulation (EC) No. 2023/2006 articles 4, 5, 6 and 7.

The polymers contain monomers and additives which are regulated with a specific migration limit (SML).

Table 1

Substance	Monomers	CAS	FCM/REF	LIMIT mg/kg
1	methacrylic acid, methyl ester	80-62-6	156	6 (T)
2	2,4-dihydroxybenzophenone	131-56-6	318	6 (T)
3	methacrylic acid, diester with ethyleneglycol	97-90-5	185	0.05
4	octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	2082-79-3	433	6
5	2-(2'-hydroxy-5'-methylphenyl) benzotriazole	2440-22-4	444	30(T)
6	salicylic acid, methyl ester	119-36-8	284	30
7	sulphosuccinic acid alkyl (C 4 -C 20) or cyclohexyl diesters, salts	Not applicable	813	5

The specific migration limit (SML) in the case of substances in the table above:

Substance 1: Total number of FCM substances: 156 must not exceed 6 mg/kg expressed as the sum of the substances.

Substance 2: Total number of FCM substances: 318 must not exceed 6 mg/kg expressed as the sum of the substances.

Substance 5: Total number of FCM substances: 444 must not exceed 30mg/kg expressed as the sum of the substances.

Migration tests on a variety of Perspex[®] Cast Acrylic Sheet samples have been performed according to Regulation 10/2011 as amended on specially fabricated test specimens by an independent laboratory showed that under the following conditions the overall migration limits and specific migration limits were not exceeded.

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I N T E R N A T I O N A L

Table 2

Simulant	Time(s)/ Temperature(s)
10% v/v aqueous ethanol	10 days 40°C
3% w/v aqueous acetic acid	10 days 40°C
Fat simulant	10 days 40°C

The colorants used in the manufacture of Perspex[®] Cast Acrylic Sheet Food Contact grades are also compliant to (10) and Article 6, 2. in EU Commission Regulation (EU) 10/2011.

Compliance with the overall and specific migration limits as described must be measured from the final application intended to come into contact with food by using real food or appropriate food simulants at the intended and foreseeable conditions. It is the responsibility of the converter or food packer to verify that the final application complies with the requirements as set out by the applicable legislation.

Information contained in this publication (and otherwise supplied to users) is based on our general experience and is given in good faith, but we are unable to guarantee its accuracy or to accept responsibility in respect of factors outside our knowledge or control.