

Food contact certificate

## **ABS Virgin, Standard Type**

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The composition of the ABS virgin Standard type, complies with the requirements for use in contact with food of:

EU	Commission Directive 2002/72/EC, of 6 Aug 2002 relating to plastic materials and articles intended to come into contact with foodstuffs, and Amendments (up to COMMISSION REGULATION (EC) No 975/2009 of 19 October 2009). (applies to all EU Member States)
USA	FDA Food, Drug and Cosmetic Act as amended under Additive Regulation 21 CFR 181.32.
Germany	"Bedarfsgegenständeverordnung" of 10-04-1992, as well as "BfR (BgVV) Recommendation VI of 1.1.2002" including subsequent modifications up to date.
Belgium	Royal Decree 92-1952 of 11-05-1992, including subsequent modifications up to date.
France	"Brochure 1227 (Journal Officiel de la République Française du 4 juin 1997)" including subsequent modifications up to date.
Italy	"Decreti Ministeriale" of 21-03-1973 and 26-04-1993, including subsequent modifications up to date.
Netherlands	"Regeling Verpakkingen en Gebruiksartikelen", Nederlandse Staatscourant 25 January 1980, nr. 18, including subsequent modifications up to date.
Spain	"Real Decreto" 2207/94 and subsequent modifications in R.D.'s 510/96, 1042/97 and 1752/98. For additives Resolution 4-11-82.

FDA Food Additive Regulation 21 CFR 181.32 provides for the use of acrylonitrile copolymers, such as this resin, as articles or components of articles intended for use in contact with food with certain prescribed conditions. An important condition is that tests be performed using the finished food-contact article in order to determine acrylonitrile monomer extraction.

In the case of repeated-use articles, the limitation of acrylonitrile extraction for finished food-contact articles is 0.003 mg / square inch extracted at a time equivalent to initial batch usage utilizing food-simulating solvents and temperatures appropriate to the intended conditions of use.

The supplier has conducted extraction studies using laboratory test specimens exposed to food simulating solvents. We have concluded that this resin will comply with 21 CFR 181.32(a)(3)(i) when used in rigid and semi-rigid food-contact articles intended to repeated use applications and at temperatures below 100°C.

The uses cited above are subject to good manufacturing practices and any limitations, which are part of the regulations.

Commission Directive 2002/72/EC specifies the following migration limits:

- a) Overall migration less than 10 mg/dm<sup>2</sup>.
- b) Acrylonitrile migration not detectable (detection limit of method 0.02 mg/kg food).
- c) Butadiene migration not detectable (detection limit of method 0.02 mg/kg food) or alternatively, residual butadiene level in the finished article less than 1 mg/kg).
- d) Specific migration limits (SML) are imposed on certain additives used in this resin. We will upon your request supply this Styron proprietary information under secrecy agreement to an official food contact testing laboratory of your choice.

It is the responsibility of both the manufacturers of finished food contact articles as well as the industrial food packers to make sure that these articles under actual conditions of use meet the above mentioned requirements.

The appropriate regulations should be consulted for complete details.