

Food contact statement for adhesive S692N

Avery Dennison adhesive S692N has been tested by a certified laboratory and has received a certificate of compliance.

S692N complies with European food regulation 1935/2004/EC, with the German Recommendation (BfR) XIV and FDA § 175.105. It also meets the demands of the limit values laid down in 10/2011/EU.

In accordance with the requirements of relevant EU food regulations, the adhesive S692N may safely stand in direct contact with dry, moist and such kind of fatty foodstuffs to which a correction factor in the range of at least 2-3 can be applied according to the Regulation (EU) No. 10/2011. As the correction factor is depending on the used construction a verification may be necessary under consideration of the respective application. This is based on migration results from testing in olive oil as simulant. Furthermore, the seams (edges) of the label material may safely come into direct contact with all kinds of foodstuffs.

According to FDA regulations, the adhesive may come into direct contact with dry foodstuffs, or alternatively it must be separated from the foodstuffs by a functional barrier.

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Label and
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Food Contact Statement

Product code: AE403

Product description: PP TOP WHITE S692N-BG40WH

Adhesive S692N:

Categories of Food Evaluated and for which Lawfulness Has Been Confirmed:

- Dry
- Moist foodstuffs
- Such kind of foodstuffs to which a reduction factor of at least 3 can be applied according to Commission Regulation (EU) No. 10/2011.

Compliance with following Regulations:

- EU Framework Regulation – (EC) No 1935/2004
- EU Plastics Regulation – (EU) No 10/2011

Face material:

Categories of Food Evaluated and for which Lawfulness Has Been Confirmed:

- Dry foodstuffs
- Moist foodstuffs
- Fatty foodstuffs

Compliance with following Regulations:

- EU Framework Regulation – (EC) No 1935/2004
- EU Plastics Regulation – (EU) No 10/2011

Face material topcoat, TC7007:

Compliance with following Regulations:

- EU Framework Regulation – (EC) No 1935/2004

Determination of the Overall Migration for the Adhesive:

The determination was carried out according to the methods for the “Examination of customer goods” corresponding to the directives B 80.30, 1 to 3 (EG) of the Official Collection of Analytical Methods according to § 64 LFGB and according to the rules of the series of standards EN 1186, EN 13130 and CENT/TS 14234 “Materials and articles in contact with foodstuffs – Plastics”.

Conditions: 24 hours at 40°C
Test simulant: Olive oil
Testing procedure: total immersion

The Overall Migration does not exceed the threshold limit value for fatty foodstuffs with a reduction factor of at least 3.

The ratio of food contact surface area to volume is 6 dm²/kg.

Determination of the Overall Migration for the Face material:

The face material meets the applicable requirements for contact with food under the following conditions:

- at temperatures up to 40°C without restriction on contact time, including refrigerated and frozen storage conditions
- at temperatures between 40°C and 70°C for periods up to 2 hours
- at temperatures between 70°C and 100°C for periods up to 15 minutes, including “hot fill”

The face material is intended for use in applications involving contact with food under temperate and chilled conditions (temperature range: 0 to 40°C). On the basis of the film’s physical properties it is not recommended to use the face material for the holding of foods at temperatures below - 30°C or above +70°C.

Ratio of food contact surface area to volume used for establishing compliance of the material:
6 dm² of contact surface per kg of food

Results of the Overall Migration for the Face Material:

Abbreviation	Simulant	Result (mg/dm ²)	Limit Value (mg/dm ²)
A	Ethanol 10 % (v/v)	< 0.8	10
B	Acetic acid 3 % (w/v)	<0.6	10
C	Ethanol 20 % (v/v)	0.4	10
D1	Ethanol 50 % (v/v)	<0.4	10
D2	Vegetable oil	<1.4	10
--	Ethanol 95 % (v/v)	0.6	10

Specific Migration Limits (SML):

The following authorized substances subject to specific migration limits listed in table 1 of EU Regulation 10/2011 are used:

CAS number	FCM substance number	Substance Name	SML (mg/kg)
---	19	N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine	(T) = 1.2 (Group Restriction 7)
0000079-10-7	147	acrylic acid	(T) = 6 (Group Restriction 22)
0000080-62-6	156	methacrylic acid, methyl ester	(T) = 6 (Group Restriction 23)
0000084-74-2	157	phthalic acid, dibutyl ester	0.3 (T) = 60 (Group Restriction 32)
0000096-33-3	176	acrylic acid, methyl ester	(T) = 6 (Group Restriction 22)
0000097-90-5	185	methacrylic acid, diester with ethyleneglycol	0.05
0000103-11-7	206	acrylic acid, 2-ethylhexyl ester	0.05
0000108-31-6	234	maleic anhydride	(T) = 30 (Group Restriction 3)
0000117-81-7	283	phthalic acid, bis(2-ethylhexyl) ester	1.5 (T) = 60 (Group Restriction 32)
0000128-37-0	315	2,6-di-tert-butyl-p-cresol	3
0000592-41-6	356	1-hexene	3
0002082-79-3	433	octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	6
0002682-20-4	451	2-methyl-4-isothiazolin-3-one	0.5
0004767-03-7	484	2,2-bis(hydroxymethyl) propionic acid	0.05
0026741-53-7	652	bis(2,4-di-tert-butylphenyl)pentaerythritol diphosphite	0.6
0038613-77-3	688	tetrakis(2,4-di-tert-butyl-phenyl)-4,4'-biphenylene diphosphonite	18
0071878-19-8	740	poly[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)imino]hexamethylene [(2,2,6,6-tetramethyl-4-piperidyl)imino]	3

CAS number	FCM substance number	Substance Name	SML (mg/kg)
0119345-01-6	760	reaction product of di-tert-butylphosphonite with biphenyl, obtained by condensation of 2,4-di-tert-butylphenol with Friedel Craft reaction product of phosphorus trichloride and biphenyl	18
0182121-12-6	779	9,9-bis(methoxymethyl)fluorene	0.05
---	813	sulphosuccinic acid alkyl (C4-C20) or cyclohexyl diesters, salts	5

Dual-Use Additives:

E-number	Additive name
E 171	titanium dioxide
E 321	butylhydroxytoluene
E 330	citric acid
E 470a	Na, K, Ca salts of fatty acids
E 471	mono- and diglycerides of fatty acids
E 551	silicon dioxide

General:

Please note that the adhesive and face material have been assessed individually. The user is responsible for the examination of the suitability of the packaging both for the planned filling good/foodstuff and kind of application.

John van Bruchem, Product Compliance
Avery Dennison Materials Group Europe, May 2016

Warranty

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Facestock

A white bi-axially oriented, polypropylene film with a print-receptive topcoat.

Basis Weight	56 g/m ²	ISO 536
Caliper	57 µm	ISO 534

Adhesive

A general purpose permanent, acrylic based adhesive.

Liner

BG40 white, a supercalendered glassine paper.

Basis Weight	61 g/m ²	ISO 536
Caliper	54 µm	ISO 534

Laminate

Total Caliper	130 µm±10%	ISO 534
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Performance data

Initial Tack	11 N/25mm	FTM 9 Glass
Peel Adhesion 90°	7 N/25mm	FTM 2 St.St.
Min. Application Temp.	5 °C	
Service temperature	-20°C to 80°C	

Adhesive Performance

S692N is a clear permanent adhesive featuring excellent UV resistance and weatherability together with good adhesion performance, even on apolar substrates.

Applications and use

Applications are predominantly in market segments where rigid containers are used (e.g. Glass, PET). Due to fairly rigid nature of the film care should be taken with use on non-uniform surfaces and where a very high level of squeezability is desired

Conversion & printing

The modified acrylic based topcoating can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes. UV, water-based and solvent-based inks can be used. The topcoat is designed for optimum ink adhesion. On-press corona treatment is not advised. The face material is suitable for Thermal Transfer printing. Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier. The material has excellent register properties especially when a high number of different colours are used.

Special Approvals

The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XIV as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry, moist and fatty foodstuffs with a reduction factor 3.

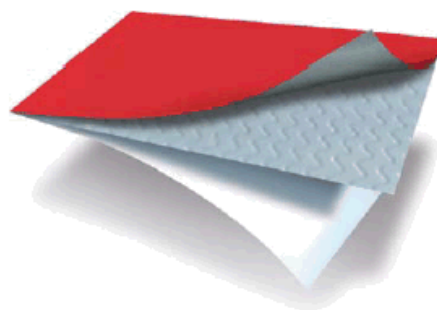
Shelf life

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

AE403

Fasson®

PP TOP WHITE - S692N-BG40WH



PP TOP WHITE

S692N

BG40WH

This is an automatically generated datasheet. All data to be considered as typical values and subject to change without prior notice. Further testing is always recommended.

If you would like to make a suggestion or comment on this datasheet, please send an email to datasheet.mgmt@eu.averydennison.com

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