



Graphics Materials

8080 Norton Parkway
Mentor, OH 44060
Phone: 800-282-8379

Subject: ASTM E-84 Test for Surface Burning Characteristics of Building Materials for SF100 Conform Chrome Series

ASTM E 84 Surface Burning Characteristics of building materials is a standard test method used by code officials and regulatory agencies to determine the acceptance of a material for various applications. Once the material has been tested it is classified into one of three groups listed below:

Class Flame Spread Index
Class I (or A) 0 - 25
Class II (or B) 26 - 75
Class III (or C) 76 - 200

Avery Dennison **SF100 Conform Chrome Series** has a Class 1 (or A) rating with smoke developed rating at 450 or less.

The certificate is on the following pages. If you have any questions about this product please contact Avery Dennison at 800-282-8379.



Received: 10/07/2016	Completed: 10/24/2016	Letter: G	CT	P.O.#: 243306	Test Report #:	3-15757-0-
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Client's Identification	Identification: SF100 Conform Chrome Series.
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Tested For: Jason Schaner Avery Dennison 8080 Norton Parkway Mentor, OH 44060	Key Test: ASTM E 84 (BLDG) Tel: 1-(440)-534-6486 Fax: 1-(440)-358-3756	1275 Ext:
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BLDG (IBC): LE 2015; V 03/15 ASTM E 84: LE 2015a; V 09/15 PC: ME /jd SM/mg
 NTR 04/16

TEST PERFORMED: ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials

REFERENCE: Comparable to: UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials

APPROXIMATE THICKNESS OF SPECIMEN (as measured by Govmark): 0.01"

PRODUCT CATEGORY:

- Textile Type Product
- Vinyl Type Product
- Other than Textile Type or Vinyl Type Product: _____

SPECIMEN MOUNTING:

- Self Supporting: The test specimen, the face of which was 23" ± 1" x 24 ft., was such that it remained in position in the tunnel during the fire test, and no additional support was required.
- Adhered to IRC: The test specimen was bonded to three 1/4" IRC (Inorganic Reinforced Cement) boards (a cement asbestos substitute) to form a test specimen the face of which was 23" ± 1" x 24 ft.
- Adhered to Gypsum: The test specimen was adhered to with self-adhesive 5/8" thick Type X gypsum board, to form a test specimen the face of which was 23" ± 1" x 24 ft.
- Unadhered: The 23" ± 1" x 24 ft. specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods.
- Other: _____

REMARKS: None.

-- See Page 3 DISCUSSION (Room Corner Fire Tests). --



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 Avery Dennison
 8080 Norton Parkway
 Mentor, OH 44060
 Tel: 1-(440)-534-6486 Ext:
 Fax: 1-(440)-358-3756

RESULTS:

Flame Spread Index: 25
 Smoke Developed: 0

CONCLUSION: Based on the above Results and Code Classification System the item tested is assigned a:

- Class I or A rating
- Class II or B rating
- Class III or C rating
- Fails to achieve a minimum classification thereby rendering the product unsuitable in terms of code requirement

DATA SUMMARY:

Time to Ignition: 00.08 minutes
 Maximum Flame Spread "Distance": 05.06 feet
 Maximum Flame Spread "Time": 01.95 minutes

CODE CLASSIFICATION SYSTEM:

	Flame Spread Index	Smoke Developed
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Class I or A:	0 - 25	450 or less
Class II or B:	26 - 75	450 or less
Class III or C:	76 - 200	450 or less

BUILDING CODE CITATION FOR THE CLASSIFICATION SCHEME (See "DISCUSSION" on Page 3):

- (1) 2015 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
- (2) 2015 edition, NFPA 5000 Building Construction & Safety Code, para. 10.4.2
- (3) 2015 edition, International Building Code, para. 803.1.1

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

Ms. Phyllis Pettit

AUTHORIZED SIGNATURE
 GOVMARK
 CT /pm /mo

OCT 28 2016



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Mentor, OH 44060						

DISCUSSION (ROOM CORNER FIRE TESTS): Most building codes will accept the ASTM E 84 test when the product is used in a sprinklered area.

If the product is a textile or vinyl wall covering used in a non-sprinklered area, the NFPA 265 room corner fire test applies.

Non textile products should be tested by NFPA 286.

Certain products are known to give off excessive amounts of heat. A good example is polyurethane foam which is used in cushioned walls.

Such excessive heat producing products should be tested by NFPA 286 even in sprinklered areas.

This discussion is an opinion only. The reader is directed to the actual Building Codes and the Authority Having Jurisdiction.

DISCUSSION (CLASSIFICATION SCHEME):

It should be noted that certain local jurisdictions might require different test values which are more stringent than the classification scheme listed herein.

As an example, the New York City Building Code limits smoke from 25 - 100 depending on the occupancy.

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