The Govmark Organization, Inc.

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e-mail: info@govmark.com

Received: 12/16/2013	Completed: 01/08/2014	Letter: B	CT	P.O.#:	Test Report #:	3-00001-0-
Client's Identification	Footnote					

Tested For: BURCH FABRICS

Key Test: ASTM E 84 (BLDG) 995

Tel: 1-(212)-643-8080 Ext: 310
Fax: 1-(212)-643-2626

BLDG (IBC): LE 2012; R 06/12; V 6/12 PC: ME /jd
ASTM E84: LE 2012; R 06/12; V 06/12

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): 0.051"

PRODUCT CATEGORY:

[ ] Textile Type Product
[x] Vinyl Type Product
[ ] Other than Textile Type or Vinyl Type Product: _____

* Note: Textile or expanded vinyl wallcoverings classified by this procedure are limited to use in sprinklered areas in certain public occupancies. If textile or expanded vinyl wallcoverings are used in non-sprinklered areas, a room/corner fire test is mandated, such as NFPA 265 for textiles and NFPA 286 for expanded vinyls.

NFPA 286 test method standard applies not only to expanded vinyls, but also to all non-textile products. Therefore, it should be considered for all interior finish applications in non-sprinklered areas.

SPECIMEN MOUNTING:

[ ] Self Supporting: The test specimen, the face of which was 23" ± 1" x 24', 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'.

[ ] Adhered to Gypsum: The test specimen was adhered to 5/8" thick Type X gypsum board, to form a test specimen the face of which was 23" ± 1" x 24'.

[x] Unadhered: The 23" ± 1" x 24' specimen was not adhered to any substrate. Instead, it was laid over a 2" hexagonal wire mesh screen and 1/4" rods.

[ ] Other: _____

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Received: 12/16/2013	Completed: 01/08/2014	Letter: B	CT	P.O.#:	Test Report #: 3-00001-0-

Client's Identification: Footnote

Tested For: BURCH FABRICS

Key Test: ASTM E 84 (BLDG) 995

Tel: 1-(212)-643-8080 Ext: 310
Fax: 1-(212)-643-2626

REMARKS: None.

RESULTS:

Flame Spread Index: 5
Smoke Developed: 90

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

[x] 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: 00.17 minutes
Maximum Flame Spread "Distance": 01.31 feet
Maximum Flame Spread "Time": 00.52 minutes

CODE CLASSIFICATION SYSTEM:

	Flame Spread Index	Smoke Developed
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:

(1) 2012 edition, NFPA 101 Life Safety Code, para. 10.2.3.4
(2) 2012 edition, NFPA 5000 Building Construction & Safety Code, para. 10.3.2
(3) 2012 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 by ASTM E 84.

Douglas W. Lipp

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. CT / ec

(Page 2 of 2)

JAN 10 2014

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TEXTILE TESTING
CERTIFIED QUALITY

ACCREDITED
TESTING CERT. #3193.01

Report Number: 64050
Date: 04-03-2014

CERTIFICATE OF TESTING

For the Account Of: Burch Fabrics
4200 Brockton Dr SE
Grand Rapids, MI 49512

Contact:

Client's Identification: Fable, Footnote, Index, Journal, Memoir, and Script

TEST PERFORMED California Technical Bulletin 117, Section E (CPSC 16 CFR 1610 – CS 191-53) Upholstery Fabrics, March 2000

TEST RESULTS

☒ Plain Surface ☐ Raised Surface

Specimen	Flame Spread Warp Face (s)	Flame Spread Warp Back (s)
1	DNI	
2	DNI	
3	DNI	
4		DNI
5		DNI

Specimen	Flame Spread Fill Face (s)	Flame Spread Fill Back (s)
1	DNI	
2	DNI	
3	DNI	
4		DNI
5		DNI

ABBREVIATIONS USED

DNI Did not ignite when exposed to test ignition source
IBE Ignited but extinguished before burning through stop cord
SF Surface flash only; stop cord not burned & no burning/charring/fusing of the base fabric
TSF Timed surface flash; stop cord burned, but no burning/charring/fusing of the base fabric

ACCEPTANCE CRITERIA

1. **With nap** Minimum flame spread of any individual specimens shall be 7 seconds. (ACT Criteria decreases minimum time to 4 seconds)
2. **Without nap** Minimum flame spread of any individual specimens shall be 3.5 seconds.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:
☒ Complies
☐ Does Not Comply

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

C. VanTimmeren

Authorized Signature-MB

553 76th Street, Byron Center, MI 49315 P: 616-559-6123 E: testlab@applied-textiles.com

TEXTILE TESTING

ACCREDITED
TESTING CERT. #3193.01

Report Number: 64050
Date: 04-03-2014

CERTIFICATE OF TESTING

For the Account Of: **Burch Fabrics**
4200 Brockton Dr SE
Grand Rapids, MI 49512

Contact:

Client's Identification: **Fable, Footnote, Index, Journal, Memoir, and Script**

TEST PERFORMED NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture – 2013; Fabric Cover Test and UFAC Fabric Classification Test Method – 1990; Standard Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture ASTM E1353-08ae1 – Cover Fabric Test

TEST RESULTS

Specimen	Char Length (in)
1	Self-Extinguished
2	Self-Extinguished
3	Self-Extinguished

NOTES
Test Conditions: 70 ±2°F, 65 ±2% Relative Humidity

ACCEPTANCE CRITERIA

1. If the test specimen has no ignition, or if no individual specimen yields a vertical char of 45 mm (1.75 in; ASTM states 1.8 in.) or less, the fabric is classified a Class I cover fabric.
2. If the vertical char of the test specimen greater than 45 mm (1.75 in.; ASTM states 1.8 in), the fabric is classified a Class II cover fabric.
3. If an obvious ignition of the polyurethane substrate occurs on the test assembly, the fabric is classified a Class II cover fabric.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested is:
☒ Class I
☐ Class II

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

C. Vanhiesen

Authorized Signature-

TEXTILE TESTING

ACCREDITED
TESTING CERT. #3193.01

Report Number: 78160
Date: 2-24-2016

CERTIFICATE OF TESTING

For the Account Of: Burch
4200 Brockton Dr SE
Grand Rapids, MI 49512

Contact: Customer Service

Client's Identification: Footnote

TEST PERFORMED California Technical Bulletin 117: June 2013 – Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture – Cover Fabric Test

TEST RESULTS

Specimen	Char Length (in)	Extinguished in 45 minutes? (Y/N)
1	Self-Extinguished	Y
2	Self-Extinguished	Y
3	Self-Extinguished	Y

NOTES
Test Conditions: 70 ±5°F, 50 ±5% Relative Humidity

ACCEPTANCE CRITERIA

A material is considered to pass or fail based on the following criteria:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
   a. The mock-up test specimen continues to smolder after the 45 minute test duration
   b. A vertical char length of more than 1.8 inches (45mm) develops on the cover fabric
   c. The mock-up test specimen transitions to open flaming
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e. the cigarettes burn their full length and are no longer smoldering
3. If more than one initial specimen fails, the cover fabric fails the test
4. If any one of the three initial specimens fails, repeat the test on additional three specimens
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested is:

☒ Pass
☐ Fail

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Authorized Signature-MB

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Received: 12/13/2013	Completed: 12/17/2013	Letter: S	AM	P.O.#:	Test Report #:	2-99977-0-
Client's Identification	Style: Footnote 11/19/13. Finish: Ink Resistant. Color: Brown. End Use: Upholstery.					

Tested For: Burch
4200 Brockton Dr SE
Grand Rapids, MI 49512

Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215

Tel: 1-(212)-643-8080 **Ext:** 310
Fax: 1-(212)-643-2626

Category: Uph.Furniture(cig) Specifier: IMO PC: 16H /dl

TEST PERFORMED: IMO 2010 FTP Code - International Code for Application of Fire Test Procedures - Resolution MSC.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture

IGNITION SOURCE: Smouldering cigarette (section 3.1)

TEST ITEM COMPOSITE:

Cover Fabric --

[x] Client's cover fabric: (see "Client's Identification" section above)
[ ] Standard cover fabric, 100% inherently flame retardant polyester fabric, approx. 220 g/m²

Filling Material --

[x] Standard filling material, as listed below:
[x] Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³)
[ ] Flame retardant polyurethane foam, Code Red II 35, 45 kg/m³ (2.8 lb/ft³)
[ ] Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³), wrapped with Uniguard fire blocking material

[ ] Client's filling material:

WATER SOAKING: Is not mandated by MSC.307(88)

RESULTS:

	Progressive Smouldering Within 1 hr After Start of Test (yes/no)	Flaming Within 1 hr After Start of Test (yes/no)
Initial Test:	No	No
Retest:	No	No

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Client's Identification	Style: Footnote 11/19/13. Finish: Ink Resistant. Color: Brown. End Use: Upholstery.					

Tested For: Burch
4200 Brockton Dr SE
Grand Rapids, MI 49512

Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215

Tel: 1-(212)-643-8080 **Ext:** 310
Fax: 1-(212)-643-2626

REMARKS: None.

FAILURE CRITERIA:

Progressive smouldering or flaming within one hour after start of test.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

[x] Passes; [ ] Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by IMO Resolution MSC.307(88).

DEC 3 1 2013

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. / ec

MS. PHYLLIS PETTIT

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Received: 12/13/2013	Completed: 12/17/2013	Letter: S	AM	P.O.#:	Test Report #: 2-99977-0-
Client's Identification	Footnote				

Tested For: BURCH FABRICS

Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215

Tel: 1-(212)-643-8080 Ext: 310
Fax: 1-(212)-643-2626

Category: Uph.Furniture(cig) Specifier: IMO PC: 16H /dl

TEST PERFORMED: IMO 2010 FTP Code - International Code for Application of Fire Test Procedures - Resolution MSC.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture

IGNITION SOURCE: Smouldering cigarette (section 3.1)

TEST ITEM COMPOSITE:

Cover Fabric --

[x] Client's cover fabric: (see "Client's Identification" section above)
[ ] Standard cover fabric, 100% inherently flame retardant polyester fabric, approx. 220 g/m²

Filling Material --

[x] Standard filling material, as listed below:
[x] Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³)
[ ] Flame retardant polyurethane foam, Code Red II 35, 45 kg/m³ (2.8 lb/ft³)
[ ] Non flame retardant flexible polyether foam, 22 kg/m³ (1.4 lb/ft³), wrapped with Uniguard fire blocking material

[ ] Client's filling material:

WATER SOAKING: Is not mandated by MSC.307(88)

RESULTS:

	Progressive Smouldering Within 1 hr After Start of Test (yes/no)	Flaming Within 1 hr After Start of Test (yes/no)
Initial Test:	No	No
Retest:	No	No

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e-mail: info@govmark.com

Received: 12/13/2013	Completed: 12/17/2013	Letter: S	AM	P.O.#:	Test Report #: 2-99977-0-
Client's Identification	Footnote				
Tested For:	BURCH FABRICS			Key Test: IMO MSC 88/26/Add.2 Part 8 (3.1) 215 Tel: 1-(212)-643-8080 Ext: 310 Fax: 1-(212)-643-2626	

REMARKS: None.

FAILURE CRITERIA:

Progressive smouldering or flaming within one hour after start of test.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

[x] Passes; [ ] Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by IMO Resolution MSC.307(88).

DEC 3 1 2013

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. / ec

MS. PHYLLIS PETTIT

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TEXTILE TESTING

ACCREDITED
TESTING CERT. #3193.01

Report Number: 64050
Date: 04-03-2014

CERTIFICATE OF TESTING

For the Account Of: BURCH FABRICS

Contact:

Client's Identification: Footnote

TEST PERFORMED NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture – 2013; Fabric Cover Test and UFAC Fabric Classification Test Method – 1990; Standard Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture ASTM E1353-08ae1 – Cover Fabric Test

TEST RESULTS

Specimen	Char Length (in)
1	Self-Extinguished
2	Self-Extinguished
3	Self-Extinguished

NOTES
Test Conditions: 70 ±2°F, 65 ±2% Relative Humidity

ACCEPTANCE CRITERIA

1. If the test specimen has no ignition, or if no individual specimen yields a vertical char of 45 mm (1.75 in; ASTM states 1.8 in.) or less, the fabric is classified a Class I cover fabric.
2. If the vertical char of the test specimen greater than 45 mm (1.75 in.; ASTM states 1.8 in), the fabric is classified a Class II cover fabric.
3. If an obvious ignition of the polyurethane substrate occurs on the test assembly, the fabric is classified a Class II cover fabric.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested is:

☒ Class I
☐ Class II

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

C. Vanhuner

Authorized Signature-

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TEXTILE TESTING
CERTIFIED REALITY

ACCREDITED
TESTING CERT. #3193.01

Report Number: 64050
Date: 04-03-2014

CERTIFICATE OF TESTING

For the Account Of: BURCH FABRICS

Contact:

Client's Identification: Footnote

TEST PERFORMED Federal Motor Vehicle Safety Standard (FMVSS) 302 – October 1991, Flammability of Interior Materials CMVSS 302 – 2007, 49 CFR 571.302, Flammability of Polymeric Interior Materials – Horizontal Test Method SAE J369-2013, Standard Test Method for Horizontal Burning Rate of Polymeric Materials Used in Occupant Compartments of Motor Vehicles ASTM D5132-11

TEST RESULTS

	Specimen	Burning Time Beyond 38 mm (s)	Burn Distance Beyond 38 mm (mm)	Burn Rate (mm/min)	Code
Length	1	0.0	0.0	NA	SE
	2	0.0	0.0	NA	SE
	3	0.0	0.0	NA	SE
	4	0.0	0.0	NA	SE
	5	0.0	0.0	NA	SE
Width	6	0.0	0.0	NA	SE
	7	59.5	80.0	80.7	SE/(B)
	8	0.0	0.0	NA	SE
	9	0.0	0.0	NA	SE
	10	33.0	11.0	NA	SE/NBR

Specimen Tested:
☐ Standard
☒ Modified, 1 mm wire spaced at 25mm intervals across 51 mm width opening:
  ☐ Test item was less than 56 mm wide
  ☒ Specimen softens and bends at flaming end, which results in erratic burning

ABBREVIATIONS USED

SE/(B)	Self-extinguishing with burn rate. Specimen ignites; Time of burning after passing 38 mm is greater than 60 seconds and 51 mm before extinguishing.
DNI	Does not ignite. Specimen does not support combustion during or after ignition.
SE/0	Self-Extinguishing. Specimen ignites but does not burn to the timing zone, which starts at 38 mm.
SE/NBR	Self-Extinguishing/No burn rate. Specimen ignites; burning progresses to the 38 mm timing start line and extinguishes within 51 mm beyond the start line and 60 seconds.
B	Specimen ignites. Burning progresses more than 51 mm beyond the 38 mm timing start line. Burn rate is calculated.
RB	Material transmits a flame across either surface more than 51mm beyond the first scribed line at a rate too fast to measure accurately; therefore, no calculation is required.

NOTES

Test Conditions:	70 ±2°F, 65 ±2% Relative Humidity
Thickness of Material:	.042
Type of Specimen Tested:	Textile
Prior Treatment, if applicable:	None

Continued, page 2

ACCEPTANCE CRITERIA

CERTIFICATE OF TESTING

1. Burn rate must not exceed 102 mm/min for any specimen

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:
☒ Passes
☐ Fails

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

C. VanTuinen

Authorized Signature-MB

ASTM Note: *In this procedure, the specimens are subjected to one or more specific laboratory test conditions. If different test conditions are substituted or the end-use conditions are changed, it is not always possible by or from this test to predict changes in the fire-test-response characteristics measured. Therefore, the results are valid only for the fire test exposure conditions described in this procedure.*

SAE Note: *This report is not intended to reflect hazards presented by this or any other material under actual fire conditions and shall not be used for fire risk assessment under actual fire conditions.*