SGS GOVMARK

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Received: 07/12/2018	Completed: 07/20/2018	Letter: H1	BG	P.O.#: 4500027812	Test Report #:	3-27317-0-01
Client's Identification	Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Upholstery.					

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

Key Test: CA TB 117-2013 (Section 1-Cover Fabric) 235
Tel: 1-(608)-873-6631 **Ext:**
Fax: 1-( )- -

CA TB 117 LE: 2013; V 1/18 PC: 24 hrs: 21°± 3°C; less than 55% RH SM/mg
NTR 04/16

TEST PERFORMED: California Technical Bulletin 117-2013 - Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture (June 2013 Version)

Section 1, Cover Fabric Test (Upholstery cover material is the outermost layer of fabric or related material used to enclose the main support system or upholstery materials, or both, used in the furniture item.)

REFERENCE: ASTM E1353-08ae1

IGNITION SOURCE: SRM 1196 Cigarette

SPECIMEN TEST COMPOSITE:

Upholstery Cover Material: As described in "Client's Identification".

Standard Substrate Material: Non FR polyurethane foam, density 1.8 ± 0.05 lb/ft³

BRIEF DESCRIPTION OF TEST: Miniature cushions are prepared using the client's cover fabric over the standard filling material. The vertical or back cushions measure 8" x 8" x 2". The horizontal or seat cushions measure 8" x 5" x 2".

A lighted cigarette is placed in the crevice formed by the vertical cushion and the horizontal cushion.

The test is terminated at 45 minutes if smoldering is no longer observed.

Test measurements and observations are recorded.

-- See Page 3 for "Results" and "Conclusion" --

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PASS/FAIL/REPEAT 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 (measured as specified in step 11.9 of ASTM E1353-08ae1) of more than 1.8 inches (45 mm) 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 entire length and the mock-ups 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.

DISCUSSION: The current version of California Technical Bulletin 117-2013 has no provision to recognize cigarettes that self-extinguish prior to burning their entire length. However, ASTM E 1353 does recognize this phenomenon.

The Govmark report evaluates replacement cigarettes as follows:

If a cigarette self extinguishes (SE) before burning its entire length, a new cigarette is placed into the test. If the new (replacement) cigarette self-extinguishes or burns its entire length, the result for that specimen will then be evaluated as if the cigarette burned its entire length when assigning the "Passing/Failure" conclusion.

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RESULTS:

	Specimen #	Char Length (inches)	SE (yes/no)	SB45 (yes/no)	TOF (yes/no)
Initial:	1	0	Yes	No	No
	2	0	Yes	No	No
	3	0	Yes	No	No
Replacement: (If needed)	1	0	Yes	No	No
	2	0	Yes	No	No
	3	0	Yes	No	No
Repeat Tests: (If needed)	1				
	2				
	3				

EXPLANATION:

Initial: These are the first 3 cigarettes where the results could be sufficient to draw a test conclusion.

Replacement: If any of the initial cigarettes self-extinguish before burning their complete length, a new test is conducted with a fresh cigarette.

Repeat Test: Depending on the initial or replacement results, repeat tests might be required to draw a conclusion.

CODES USED:

SE = Cigarette self-extinguished; See "Discussion" on Page 2
SB45 = Smolder beyond 45 minutes
TOF = Transitions to open flaming
MNR = Measurement not recorded as smoldering exceeded 45 minutes or specimen transitioned to open flames
EC = Escalating smoldering combustion: Extinguished by technician at: (mm:ss) _____ : _____ due to unsafe conditions.

CONCLUSION:

The above results reported for the initial and / or replacement cigarettes are sufficient to indicate:

[x] Passing; [ ] Failure; [ ] Repeat test on 3 additional specimens

The results after conducting the repeat tests indicate:

[ ] Passing; [ ] Failure

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Key Test: CA TB 117-2013 (Section 1-Cover Fabric) 235
Tel: 1-(608)-873-6631 **Ext:**
Fax: 1-( )- -

REMARKS: None.

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

Phyllis Pettit

AUTHORIZED SIGNATURE
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/ jab

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The results contained in this report relate only to item(s) tested. The test report shall not be reproduced, except in full, without written approval from Govmark.

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Received: 04/23/2015	Completed: 04/24/2015	Letter: P	BG	P.O.#: 4500021359	Test Report #:	3-07554-0-
Client's Identification	Spirit Millennium					

Tested For: BURCH FABRICS

Key Test: NFPA 260 Cover Fabric (BLDG) 235

Tel: 1-(608)-873-6631 **Ext:** 226
Fax: 1-(800)-741-2237

Category: NFPA 260 Fabric LE 2013; V 03/15 NE:2018 PC: 4H dl/jd
NFPA 101 LE 2015; V 04/15
IFC LE 2015; V 03/15

TEST PERFORMED: NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture;
Cover Fabric Test

SPECIMEN TEST COMPOSITE:
Candidate cover fabric (see "Client's Identification")
Standard filling material: Non FR polyurethane foam, density 20 kg/m³ to 25 kg/m³

RESULTS:

	TEST		RETEST (If Required)	
Specimen #	Ignition (yes/no/SE)	Char Length On Vertical Panel (mm)	Ignition (yes/no/SE)	Char Length On Vertical Panel (mm)
1	SE	0	SE	0
2	SE	0	SE	0
3	SE	0	SE	0

ABBREVIATION WHICH MAY BE USED:

SE = Indicates that the cigarette self extinguished prior to burning its entire length. When this occurs, a "retest" of that specimen is performed.

EC = Escalating combustion. Specimen extinguished by technician. No char length measurement taken.

CLASSIFICATION SYSTEM:

Class I - For each specimen: No obvious ignition; maximum char length 45 mm (1.75"). (Indicates propensity to resist cigarette ignition in conjunction with standard foam filling material.)

Class II - For any specimen: Obvious ignition; or char length exceeding 45 mm (1.75"). (Indicates inability to resist cigarette ignition in conjunction with standard foam filling material.)

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

[x] Class I rating; [ ] Class II rating

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Client's Identification	Spirit Millennium

Tested For: BURCH FABRICS

Key Test: NFPA 260 Cover Fabric (BLDG) 235

Tel: 1-(608)-873-6631 **Ext:** 226
Fax: 1-(800)-741-2237

REMARKS: None.

CODE INFORMATION: In accordance with --

(1) The 2015 Edition of the NFPA Life Safety Code 101, paragraph 10.3.2.1(1); and
(2) The 2015 Edition of the International Fire Code, paragraph 805.1.1.1, 805.2.1.1, 805.3.1.1, and 805.4.1.1

Upholstered furniture components shall be Class I when tested in accordance with NFPA 260, when used in:

Detention or correctional occupancy
Health care occupancy
Residential board & care occupancy
College and university dormitories

COMMENTARY: The cigarette ignition source used in this test conforms to the physical parameters set forth in the test standard. The actual propensity of the cigarette (that is currently manufactured) to cause ignition of materials under test might be different than the cigarette that was manufactured at the inception of the test standard.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 260.

MS. PHYLLIS PETTIT

APR 2 9 2015

AUTHORIZED SIGNATURE
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/rb
/pm

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