



The  
**Govmark**  
Organization, Inc.

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Received: 08/04/2014	Completed: 08/05/2014	Letter: W	MB	P.O.#: 106534	Test Report #:	3-03549-0-
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Client's Identification	ALLANTE
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Tested For:



**BURCH  
FABRICS**

Key Test: CA TB 117-2013 (Section 1-Cover 235  
Fabric)

Tel: 1-613-932 8811

Ext:

Fax: 1-613-932-9779

cc: email: billp@morbern.com  
cc: email: clalonde@morbern.com

CA TB 117 LE: 2013; R 03/12; V 03/12 PC: 24 hrs: 21°± 3°C; less than 55% RH SM/mg

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 E1353-08a e1

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 ± 0.1 lb/ft<sup>3</sup>

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.

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*File Copy*

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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 E1353-08aen1) 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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Key Test: CA TB 117-2013 (Section 1-Cover Fabric)

235

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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:	1	0	Yes	No	No
(If needed)	2	0	Yes	No	No
	3	0	Yes	No	No
Repeat Tests:	1				
(If needed)	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, 3 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

**CONCLUSION:**

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

☒ Passing; ☐ Failure; ☐ Repeat test on 3 additional specimens

The results after conducting the repeat tests indicate:


☐ Passing; ☐ Failure



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REMARKS: None.

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



AUG 08 2014

AUTHORIZED SIGNATURE  
THE GOVMARK ORGANIZATION, INC. / ec lgb

MS. PHYLLIS PETTIT

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TEST REPORT #	LHD25X-001
COMPLETED	1/9/2014



<b>Tested for:</b>	<b>Key Test:</b>	<b>FMVSS 302</b>
Burch Fabrics		
4200 Brockton Dr SE	Tel:	616-698-2800
Grand Rapids, MI 49512	Fax:	616-698-0011

TEST PERFORMED: FMVSS 302 - Flammability of Material Used in the interior of Motor Vehicle Occupant

Compartments

SPECIFIER: D.O.T.

Material Tested- Allante

		Burning Time Beyond 38 mm	Burn distance Beyond 38 mm	Burn Rate	
	<u>Speciman #</u>	<u>(seconds)</u>	<u>(mm)</u>	<u>(mm/minute)</u>	<u>Code</u>
Length:	1	0	0	0	SE
	2	0	0	0	SE
	3	0	0	0	SE
	4	0	0	0	SE
	5	0	0	0	SE
Width:	6	0	0	0	SE
	7	0	0	0	SE
	8	0	0	0	SE
	9	0	0	0	SE
	10	0	0	0	SE

\* Indicates that burning time beyond 38 mm exceeds 240 seconds; the test was terminated by the technician at the time noted. The burn rate was calculated at the terminated distance.

**SPECIMEN HOLDER:**

- ( ) Standard
- (X ) Modified, 10 mil wire spaced at 25 mm intervals across 51 mm width opening:
- ( ) Test item was less than 56 mm wide
- (X) Specimen softens and bends at flaming end, which results in erratic burning
- ( ) At client's request

**METRIC CONVERSION:** mm / 25.4 = inches

**FAILURE CRITERIA:** Burn Rate exceeds 102 mm per minute for any specimen.

**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 CFR Title 49 Chapter V Section 571.302 (FMVSS 302)

*Bill Perras*

AUTHORIZED SIGNATURE  
MORBERN INC.

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 MORBERN INC.





Tested for:

Burch Fabrics  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

Key Test:

FMVSS 302

Tel:

616-698-2800

Fax:

616-698-0011

**CODE DEFINITIONS:**

**DNI** (Does Not Ignite) Specimen does not support combustion during or after ignition.

**SE** (SELF EXTINGUISHING) Specimen ignites but does not burn to the timing zone, which starts at 38 mm.

**B** (SPECIMEN IGNITES) Burning progresses more than 51 mm beyond the 38 mm timing start line. Burn rate is calculated.

**SE/NBR** (SELF EXTINGUISHING WITH NO BURN RATE) Specimen ignites; burning progresses to the 38 mm timing start line and extinguishes within 51 mm beyond the start line. Time of burning after passing 38 mm is less than 60 seconds.

**SE/(B)** (SELF EXTINGUISHING WITH A BURN RATE) Specimen ignites; burning progresses to the 38 mm timing start line and extinguishes within 51 mm beyond the start line. Timing of burning after passing 38 mm is greater than 60 seconds. Calculate burn rate is 51 mm per minute or less.

**REMARKS:** NONE

**NOTE:** The original version of FMVSS 302 was expressed in English Units with a maximum burn rate of 4 inches per minute. When the U.S. government converted the document to the metric system, they used 102 mm per minute as the maximum burn rate, rather than the exact conversion ( $4"/\text{minute} \times 25.4 = 101.6 \text{ mm/minute}$ )

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