



Received:09/19/2016 Completed:09/21/2016 Letter: E1 JB P.O.#: 6898 Test Report #: 3-15461-1-RV

Client's Identification Ref: Rhino. Composition: PVC. Weight: 33 oz/lin.yd. Product End Use: Upholstery.

Tested For: **Louise Taylor** Key Test: CFR 49 V 571.302 (FMVSS 302)  
 Camira Fabrics Ltd. RVNC  
 The Watermill, Wheatley Park, Tel: 011 44 0 1924 481309 Ext:  
 Mirfield W. Yorkshire WF14 8HE UK Fax:

SPECIFIER: DOT LE 2015; V 09/15 NTR 6/16 PC: 24H /jd

TEST PERFORMED: CFR Title 49 Chapter V Part 571.302 (FMVSS 302) - Flammability of Materials Used in the Interior of Motor Vehicle Occupant Compartments

SPECIMEN:

Size:  Standard Size 102 mm wide by 356 mm long by 13mm max thick  
 Actual product was submitted in short lengths of dimensions:  
 length \_\_\_\_\_ mm by width \_\_\_\_\_ mm and butted end to end to form the  
 required specimen length

Holder:  Standard  
 Modified, 10 mil wire spaced at 25 mm intervals across 51 mm width opening:  
 Test item was less than 56mm wide  
 Specimen softens and bends at flaming end, which results in erratic burning

Combing:  Napped and/or tufted surface was combed twice against the nap

BRIEF DESCRIPTION OF TEST: The Flammability of Interior Materials test utilizes a flame source from a bunsen burner with a 10 mm inside dia. tube. The gas is adjusted to produce a 38 mm flame height with the air inlet closed. The center of the burner tip is placed 19 mm below the center of the bottom edge of the specimen for 15 seconds. Distances and burn times are recorded. Where data allows, a Burn Rate is calculated.

Direction	Specimen #	(TS) Time to Reach 38 mm BM (seconds)	(T) Burning Time Beyond 38 mm BM (seconds)	(D) Burn Distance Beyond 38 mm BM (mm)	Burn Rate (mm/minute)	Code
Machine:	1	DNO	0	0	SE	SE
	2	DNO	0	0	SE	SE
	3	DNO	0	0	SE	SE
	4	DNO	0	0	SE	SE
	5	DNO	0	0	SE	SE
Cross Machine:	6	DNO	0	0	SE	SE
	7	DNO	0	0	SE	SE
	8	DNO	0	0	SE	SE
	9	DNO	0	0	SE	SE
	10	DNO	0	0	SE	SE

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

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<b>Tested For: Louise Taylor</b> Camira Fabrics Ltd. The Watermill, Wheatley Park, Mirfield W.Yorkshire WF14 8HE UK	<b>Key Test: CFR 49 V 571.302 (FMVSS 302)</b> RVNC <b>Tel: 011 44 0 1924 481309 Ext:</b> <b>Fax:</b>
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METRIC CONVERSION: mm ÷ 25.4 = inches

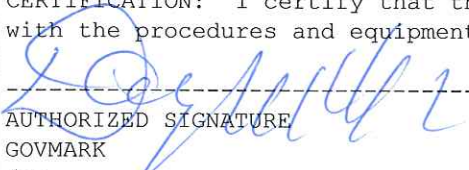
FAILURE CRITERIA: Burn Rate exceeds 102 mm per minute for any specimen.

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

Passes;  Fails

REMARKS: None

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

  
 AUTHORIZED SIGNATURE  
 GOVMARK  
 /mo

RV.10.14.16/mo

ABBREVIATION/CODE DEFINITIONS:

*Douglas W. Lipp*

OCT 14 2016

- BM - Benchmark
- DNI - Does Not Ignite. Specimen does not support combustion during or after ignition.
- DNO - Did Not Occur.
- SE - 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. 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. Time of burning after passing 38 mm is greater than 60 seconds. Calculated burn rate is 51 mm per minute or less.
- B - Specimen ignites. Burning progresses more than 51 mm beyond the 38 mm timing start line. Burn rate is calculated.

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"/minute x 25.4 = 101.6 mm/minute).