



GOVMARK

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Received:07/12/2018 Completed:07/23/2018 Letter: H4 RM P.O.#: 4500027812 Test Report #: 3-27317-0-04

Client's Identification Item: 1015-06181. SPS-0152. Date of Mfg.: 6/28/18. Product End Use: Upholstery.

Tested For: Kristi Rygh Key Test: CFR 49 V 571.302 (FMVSS 302) 245
Uniroyal Engineered Products, LLC
501 South Water Street
Stoughton, WI 53589
Tel: 1-(608)-873-6631 Ext:
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Category: Horizontal SPECIFIER: DOT LE 2011; V 7/17 NTR 6/16 PC: 24H /jd SM/mg

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 test specimen, 102 mm x 356 mm, is held on three sides by a u-shaped test frame. The exposed width of the test specimen is 51 mm. The test frame is placed in a horizontal position inside the test cabinet. Gauge marks of 38 mm and 254 mm from the open end of the "u" are indicated on the test frame. The open edge of the test specimen is subjected to a 38 mm high flame for a period of 15 seconds.

When the burning progresses to the 38 mm gauge mark, a timing device is clicked on. The timing device is clicked off when burning ceases or when burning reaches the 254 mm gauge mark. The distance burned is entered on the report.

A burn rate is calculated based on the recorded time value over the distance burned.

-- See Page 2 for "Results" --

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RESULTS:		(TS)	(T)	(D)		
		Time to	Burning Time	Burn Distance		
		Reach	Beyond	Beyond		
		38 mm BM	38 mm BM	38 mm BM	Burn Rate	
Direction	Specimen #	(seconds)	(seconds)	(mm)	(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	6	DNO	0	0	SE	SE
Machine	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.

NOTES: 1. Burn Rate Formula for Calculation Purposes: 60 x (D/T)
 2. All results on this report have been rounded to the next highest mm.

METRIC CONVERSION: mm ÷ 25.4 = inches

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

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

[x] Passes; [] Fails

REMARKS: None

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

Phyllis Pettit

AUG 02 2018

AUTHORIZED SIGNATURE
 SGS GOVMARK
 / jab

-- See Page 3 for "Abbreviation/Code Definitions" --
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ABBREVIATION/CODE DEFINITIONS:

- 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).