

Received:05/07/2010	Completed:05/10/2010	Letter: A4	rb	P.O.#: 005062-00	Test Report #: 2-83214-4-
Client's Identification	Style: Odyssey IV FR Polyester Fabr c. Content: 100% Polyester. Width: 64". Finish: FR. Weight: 7.28 ozs/yd ² . End Use: Awnings, Tents, Air-Ducts, Canopies & Signs.				
Tested For: Mohan Rao Marchem CFI 500 Orchard Street New Haven, MO 63068	Key Test: CFR 49 V 571.302 (FMVSS 302)				135
	Tel: 1-(573)-237-4444		Ext:		
	Fax: 1-(573)-237-4491				

SPECIFIER: DOT LE 2009; R12/00; V12/09 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
 Other _____

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.

	Specimen #	(TS)	(T)	(D)	Burn Rate** (mm/minute)	Code
		Time to Reach 38 mm BM (seconds)	Burning Time Beyond 38 mm BM (seconds)	Burn Distance Beyond 38 mm BM (mm)		
Length:	1	0	0	0	0	SE
	2	0	0	0	0	SE
	3	0	0	0	0	SE
	4	0	0	0	0	SE
Width:	5	0	0	0	0	SE
	6	0	0	0	0	SE
	7	0	0	0	0	SE
	8	0	0	0	0	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.

** Burn Rate Formula for Calculation Purposes: 60(D/T)

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METRIC CONVERSION: mm ÷ 25.4 = inches

FAILURE CRITERIA: Burn Rate exceeds 101 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 by CFR Title 49 Chapter V Section 571.302 (FMVSS 302).

Heather E. Roberts

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. / ec / mg

MS. HEATHER ROBERTSON / MAY 27 2010

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).