



Tested For: Northcutt, Mark	Phone: (870) 933-5369	Received: 4/25/2025
Valto, Inc.	Fax:	Completed: 4/28/2025
8500 C.W. Post Rd.	Mobile:	Code: P
Jonesboro, AR 72401	PO#:	Test Report: 3-59259-0-DU
USA	Email: mnorthcutt@valtoem.com	

Key Test: CFR 49 V 571.302 (FMVSS 302)

187.5

Client's Identification:

Lot No.: J1675 - 72. Date of Mfg.: 04/09/25. Style: Filon® G4+. Composition: Fiberglass reinforced plastic. Weight: 0.35 lb/sqft. Density: 0. Color: polar white. Thickness: 050. Product End Use: Recreational Vehicle Sidewalls. Additional Information: Please remove tack film cover before testing. Samples are labeled on the front face (a-side).

Category: Horizontal Specifier: DOT LE 2023; V 02/23 BG PC: 24H /rb 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 x 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 (beyond the 38 mm benchmark) 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.

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RESULTS:

Direction	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)		
Machine:	1	71	300*	167	33	B
	2	69	300*	165	33	B
	3	69	300*	167	33	B
	4	67	300*	175	35	B
	5	62	300*	175	35	B
Cross Machine:	6	81	300*	191	38	B
	7	81	300*	178	36	B
	8	68	300*	180	36	B
	9	67	300*	178	36	B
	10	68	300*	186	37	B

* Indicates that burning time beyond 38 mm exceeds 300 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:

Passes; Fails

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REMARKS: None

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

DU.01.28.26 /gb

Signed by:

1/28/2026

BC915566495A4BD

AUTHORIZED SIGNATURE
 SGS NORTH AMERICA
 /jb/jl

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).

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