

Received: 10/11/2012 Completed: 10/19/2012 Letter: X pp P.O.#: 80983-000-OP Test Report #: 2-94154-0-

Client's Identification 1/2" TB090 with Uniseal. End Use of Product: Various.

Tested For: **Thomas Burns** Key Test: UL 94HF I+AOA 510
The Soundcoat Co., Inc. Tel: 1-(631)-782-3547 Ext:
1 Burt Drive Fax: 1-(631)-242-2246
Deer Park, NY 11729-5701

PC: I=48H AOA=7D=4H CODE: I=175 I+AOA=510 /jd

TEST PERFORMED: UL 94 - Tests for Flammability of Plastic Materials for Parts in Devices & Appliances
Section 12 - Horizontal Burning Foamed Material Tests; 94HF-1, 94HF-2

RESULTS:	CATEGORY:	A	B	C	D	E
Specimen #	Flame Extinguishing Time (seconds)	Afterflame (seconds)	Afterglow (seconds)	Ignites (yes/no)	Cotton Beneath Specimen Damaged Length (mm)	
Initial Test:	1	60	0	0	No	38
	2	60	0	0	No	36
	3	60	0	0	No	35
	4	60	0	0	No	38
	5	60	0	0	No	36
After Oven Aging for 7 days @ 158±2°F (70±1°C):	6	60	0	0	No	18
	7	60	0	0	No	26
	8	60	0	0	No	30
	9	60	0	0	No	26
	10	60	0	0	No	32

REMARKS: None.

RESULTS EXPLAINED:

The igniting flame is placed in contact with the test specimen for a period of 60 seconds.

The "Specimen Flame Extinguishing Time" is the total burning time of the specimen, starting with the application of the igniting flame.

If flaming and/or glowing is still present after the 60 seconds flame application time, the time beyond 60 seconds is recorded in either Column "B" or "C", as appropriate.

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CLASSIFICATION CRITERIA: For each individual specimen from the "initial test" group; and for each individual specimen from the "after oven aging" test group --

	94HF-1	94HF-2
A. Specimen Flame Extinguishing Time (seconds):	*	*
B. Maximum Afterflame (seconds):	2.0 **	2.0 **
C. Maximum Afterglow (seconds):	30	30
D. Ignition of Cotton Indicator Permitted:	No	Yes
E. Maximum Damaged Length:	60 mm	60 mm

* This category is reported for information only; the value recorded does not enter into the Classification Criteria.

** One specimen is permitted a maximum of 10 seconds.)

RETEST PROVISION: A single retest of 5 specimens (initial test group and/or after oven aging test group) is permitted if:

B. Afterflame: 1) A single specimen flames for more than 10 seconds; or
 2) Two specimens flame for more than 2 seconds but less than 10 seconds; or
 3) One specimen flames for more than 2 seconds but less than 10 seconds, and a second specimen flames for more than 10 seconds.

C. Afterglow: A single specimen exceeds 30 seconds.

E. Damaged Length: A single specimen exceeds 60 mm.

CONCLUSION: Based on the above Results and Classification Criteria, the material tested:

- Receives a HF-1 classification
- Receives a HF-2 classification
- Fails to receive a classification
- Retest (see page 3):
 - Test 5 additional "Initial Test" specimens
 - Test 5 additional "After Oven Aging" specimens
- Results are inconclusive: _____

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RETEST RESULTS (IF NECESSARY):

	CATEGORY:	A	B	C	D	E
	Specimen	Time	Afterflame	Afterglow	Ignites	Damaged
	#	(seconds)	(seconds)	(seconds)	Specimen	Length
	-----	-----	-----	-----	(yes/no)	(mm)
[] Initial Test:	1					
	2					
	3					
	4					
	5					
[] After Oven	6					
Aging for 7 days @	7					
158±2°F (70±1°C):	8					
	9					
	10					

RESULTS EXPLAINED: The igniting flame is positioned for a period of 60 seconds. Flaming and/or glowing, if still present after the 60 seconds flame application time are reported as "Afterflame" and "Afterglow."

"Specimen Flame Extinguishing Time" is the total burning time of the specimen, starting with the applicatino of the igniting flame.

RETEST REMARKS: None.

RETEST CLASSIFICATION CRITERIA: For each individual specimen from the "initial test" group and for each individual specimen from the "after oven aging" test group --

	94HF-1	94 HF-2
	-----	-----
A. Specimen Flame Extinguishing Time (seconds):	*	*
B. Maximum Afterflame (seconds):	2.0 **	2.0 **
C. Maximum Afterglow (seconds):	30	30
D. Ignition of Cotton Indicator Permitted:	No	Yes
E. Maximum Damaged Length:	60 mm	60 mm

* This category is reported for information only. The value recorded does not enter into the Classification Criteria.

** One specimen is permitted a maximum of 10 seconds.

No further retest is permitted.



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	Tel: 1-(631)-782-3547	Ext:
	Fax: 1-(631)-242-2246	

RETEST CONCLUSION: Based on the above Results and Classification Criteria, the material tested:

- Receives a HF-1 Classification
- Receives a HF-2 classification
- Fails to receive a classification
- Results are inconclusive: _____

CONVERSION FACTOR: mm ÷ 25 = inches

ABBREVIATIONS WHICH MAY BE USED: NT = Not tested.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by UL 94 Section 12.

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. /rb *[Signature]*

Robert I. Brown

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OCT 25 2012