

3022 Silicone Lane was tested and met the following flammability requirements:

BS 5852 Crib 5

CA TB 117-2013

IMO FTPC 8.3.1 and 8.3.2



Tested For: Teesha Prezeau
 Designtex
 357 County Avenue
 Secaucus, NJ 07094
 USA

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Received: 2/8/2023
Completed: 2/9/2023
Code: V
Test Report: 3-50437-0

Key Test: CA TB 117-2013 (Section 1-Cover Fabric) /ACT

100

Client's Identification:

Style: Silicone Skyline and Silicone Lane. Composition: 100% Silicone. Finish: Polyester knit backing. Weight: t29.2 oz/Lin yd 54" wide. Product End Use: Upholstery.

Test Category: Cigarette Ignition Product Category: Upholstery Specifier: ACT LE 2020; V 7/21 DK PC: 24H dl/SM

TEST PERFORMED: California Technical Bulletin 117-2013 - Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture (June 2013 Version; V 1/19)

Section 1, Cover Fabric Test (Upholstery cover material is the outermost layer of fabric or related material used to enclose the main support system or upholstery materials, or both, used in the furniture item.) --

As cited by the ACT Voluntary Performance Guidelines (December 2021)

REFERENCE: ASTM E1353-08ae1

IGNITION SOURCE: SRM 1196a Cigarette

SPECIMEN TEST COMPOSITE:

Upholstery Cover Material: As described in "Client's Identification".

Standard Substrate Material: Non-FR polyurethane foam, density 1.8 ± 0.05 lbs./ft²

BRIEF DESCRIPTION OF TEST: Miniature cushions are prepared using the client's cover fabric over the standard filling material. The vertical or back cushions measure 8" x 8" x 2". The horizontal or seat cushions measure 8" x 5" x 2".

A lighted cigarette is placed in the crevice formed by the vertical cushion and the horizontal cushion.

The test is terminated at 45 minutes if smoldering is no longer observed.

Test measurements and observations are recorded.

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PASS/FAIL/REPEAT CRITERIA: A material is considered to pass or fail based on the following criteria:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
 - a) The mock-up test specimen continues to smolder after the 45-minute test duration.
 - b) A vertical char length (measured as specified in step 11.9 of ASTM E1353-08ae1) of more than 1.8 inches (45 mm) develops on the cover fabric.
 - c) The mock-up test specimen transitions to open flaming.
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their entire length and the mock-ups are no longer smoldering.
3. If more than one initial specimen fails, the cover fabric fails the test.
4. If any one of the three initial specimens fails, repeat the test on additional three specimens.
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

DISCUSSION: The current version of California Technical Bulletin 117-2013 has no provision to recognize cigarettes that self-extinguish prior to burning their entire length. However, ASTM E1353 does recognize this phenomenon.

The SGS North America report evaluates replacement cigarettes as follows:

If a cigarette self-extinguishes (SE) before burning its entire length, a new cigarette is placed into the test. If the new (replacement) cigarette self-extinguishes or burns its entire length, the result for that specimen will then be evaluated as if the cigarette burned its entire length when assigning the "Passing/Failure" conclusion.

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RESULTS:

	Specimen #	Char Length (inches)	SE (Yes/No)	SB45 (Yes/No)	TOF (Yes/No)
Initial	1	0	Yes	No	No
	2	0	Yes	No	No
	3	0	Yes	No	No
Replacement: (If needed)	1	0	Yes	No	No
	2	0	Yes	No	No
	3	0	Yes	No	No
Repeat Tests: (If needed)	1				
	2				
	3				

EXPLANATION:

Initial: These are the first 3 cigarettes where the results could be sufficient to draw a test conclusion.

Replacement: If any of the initial cigarettes self-extinguish before burning their complete length, a new test is conducted with a fresh cigarette.

Repeat Test: Depending on the initial or replacement results, 3 repeat tests might be required to draw a conclusion.

CODES USED:

- SE = Cigarette self-extinguished; See "Discussion"
- SB45 = Smolder beyond 45 minutes
- TOF = Transitions to open flaming
- MNR = Measurement not recorded as smoldering exceeded 45 minutes or specimen transitioned to open flames.
- EC = Escalating smoldering combustion: Extinguished by technician at: (mm:ss) __:__ due to unsafe conditions.

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CONCLUSION:

The above results reported for the initial and/or replacement cigarettes are sufficient to indicate:

Passing; Failure; Repeat test on 3 additional specimens

The results after conducting the repeat tests indicate:

Passing; Failure

REMARKS: None.

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

DocuSigned by:

Bobby Brown

B50EB94D593C454...

2/13/2023

AUTHORIZED SIGNATURE
 SGS NORTH AMERICA
 /jab

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Date of Issue: 5/14/2024
 Report Number: 24-001177
 Revision Number: 1
 Date Order Received: 05/08/2024

Sponsor: Designtex
 357 County Ave
 Secaucus, NJ 07094

Sponsor's Identification: 100% Silicone

CERTIFICATE OF TESTING

TEST PERFORMED: IMO 2010 FTP Code, Part 8 – Test for upholstered furniture

TEST RESULTS

Specimen	Progressive Smoldering (Y/N)	Flaming (Y/N)	Char Length (mm)
1	No	No	10
2	No	No	10

Specimen	Flaming* (s)	Glowing* (s)	Smoking* (s)	Smoldering* (s)	Char Length (mm)
1	0	0	2	0	15
2	0	0	2	0	18

NOTES

- Test Conditions: 70 ±4°F, 65 ±5% Relative Humidity
- Sampling Method: As Received
- Deviations: None
- Test Item Composite: Filling Material -
 - Standard filling material
 - Non flame retardant flexible polyether foam, 22 kg/m3 (1.4 lb/ft3)
 - Flame retardant polyurethane foam, CMHR, 35 kg/m3 (2.2 lb/ft3)
 - Client's filling material

ACCEPTANCE CRITERIA

- Smoldering Ignition Source**
 - Progressive smoldering or flaming must cease within one hour after start of test
- Flaming Ignition Source**
 - Flaming, glowing, smoking or smoldering may not exceed 120 seconds

CONCLUSION Based on the above results and failure criteria, the item tested:
 Meets the requirements - May be labeled IMO FTPC Part 8
 Does not meet the requirement

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above. The test results relate to the behavior of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Berta Stiver

Authorized Signature

Date Order Completed: 05/13/2024

APPENDIX

Company Submitting Testing Designtex
Manufacturer of Material Designtex 357 County Avenue Secaucus, NJ 07094
Product Identification 100% Silicone
Color Submitted
Weight of Fabric 28 oz per square yard
End Use Upholstery (Not Specified)
Material Thickness
Coating Type + Weight
Method + Qty of Fire
Retardant Treatment
Content 100% Silicone
Weave Type Coated Material
Pick + End Count
Yarn Type / Count

The Appendix information above is provided by the Sponsor and is not determined by Applied Lab.

Date Sample Arrived 5/8/24
Cleaning / Weathering Procedure
Date of Test 5/13/24
Cigarette Used NIST SRM 1196
Length: 70 ±4mm, Diameter: 8 ± 0.5mm, Mass: 0.95 ± 0.15g,
Smoldering rate: 11 ± 4.0 min / 50mm