

3021 Silicone Roundabout 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



Date of Issue: 5/3/2023
Report Number: 23-001487
Revision Number: 1
Date Order Received: 05/01/2023

For the Account of: Designtex
357 County Ave
Secaucus, NJ 07094

Client's Identification: SILICONE ROUNDABOUT

CERTIFICATE OF TESTING

TEST PERFORMED: California Technical Bulletin 117: June 2013 – Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture – Cover Fabric Test

TEST RESULTS

	Specimen	Char Length (in)	Extinguished in 45 Minutes
Initial Test	1	SE	Y
	2	SE	Y
	3	SE	Y

NOTES

Test Conditions: 70 ±5°F, 50 ±5% Relative Humidity

ACCEPTANCE CRITERIA

A material is considered to pass or fail based on the following criteria:

- A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
 - The mock-up test specimen continues to smolder after the 45 minute test duration
 - A vertical char length of more than 1.8 inches (45mm) develops on the cover fabric
 - The mock-up test specimen transitions to open flaming
- The cover fabric passes the test if three initial mock-up specimens pass the test, i.e. the cigarettes burn their full length and are no longer smoldering
- If more than one initial specimen fails, the cover fabric fails the test
- If any one of the three initial specimens fails, repeat the test on additional three specimens
- 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

Legend:

SE: Self-extinguished

OBV: Obvious ignition of substrate

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested is:

☒ Pass

☐ Fail

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.

Authorized Signature

Date Order Completed: 05/03/2023



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.

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