

California Technical Bulletin 117-2013
Section 1, Cover Fabric Test on
"Item 28821 SoffTICK® TPU LDSC 9-10.8, Lot 521588"

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Submitted by: Element Fire Testing

Report No. 21-002-102(A2)
3 pages

Date: March 11, 2021

1.0 ACCREDITATION To ISO/IEC 17025 for a defined Scope of testing by the International Accreditation Service

2.0 SPECIFICATIONS OF ORDER

Test for flammability in accordance with California Bulletin 117-2013, Section 1, Cover Fabric Test, as per Vintex Inc. reference Purchase Order No. E802545 and Element Open Quotation No. 21-002-227456 dated January 15, 2021.

2.1 History of Report Revision

This is the original.

3.0 SAMPLE IDENTIFICATION (Element sample identification number 21-002-S0102-1)

Material described as, "Vinyl coated polyester fabric - general purpose Ticking 10.8 oz/yd²", identified as: "Item 28821 SoffTICK® TPU LDSC 9-10.8, Lot 521588"

4.0 SUMMARY OF TEST PROCEDURE

The test involves a miniature mock-up assembly that consists of the cover fabric to be tested along with other specified materials that are mounted on a plywood mock-up that resembles a chair seat and chair back. The assembly is exposed to a lighted cigarette* as an ignition source.

Test specimens and cigarettes are conditioned prior to the test for a minimum period of 24 hours at 21 ± 3°C and less than 55% relative humidity. Specimens are individually removed from the conditioning chamber and testing is initiated within a 10-minute period. Test pieces 8" x 8" and 8" x 15" are placed over a specified polyurethane foam substrate which is installed on miniature mock-up apparatus. A lighted cigarette is then positioned on the crevice between the horizontal and vertical panels and a piece of specified cotton sheeting is then used to cover the cigarette.

Cigarettes are allowed to burn their full length unless an obvious ignition of the polyurethane substrate occurs. The vertical char beyond the original crevice position is recorded. The test specimen fails if:

- a) The mock-up test specimen continues to smolder after the 45-minute test duration;
- b) A vertical char length of more than 1.8 inches (45 mm) develops on the cover fabric;
- c) The mock-up test specimen transitions to open flaming.

Note: The first layer of filling materials located below the cover fabric shall also meet the requirements of CAL TB 117-2013, Section 3, Resilient Material Test.

* Cigarettes Used: NIST Standard Reference Material 1196a

5.0 SAMPLE PREPARATION

The sample was supplied in batch form, from which appropriate test specimens were sectioned by Element.

6.0 TEST RESULTS

California Technical Bulletin 117-2013, Section 1

Smolder Resistance of Materials Used in Upholstered Furniture - Cover Fabric Material Test

Sample: "Item 28821 SoffTICK® TPU LDSC 9-10.8, Lot 521588"

Trial	Ignition?	Vertical Char Length (mm)	Smolder after 45 minutes?	Pass / Fail?
1	No	18	No	Pass
2	No	20	No	Pass
3	No	16	No	Pass
Specified:	None	< 45 mm	None	

6.1 Test Observations

Minimal spreading of damage was observed.

7.0 CONCLUSIONS

The coated fabric identified in this report meets the requirements of California Technical Bulletin 117-2013, Section 1.

8.0 STATEMENT ON MEASUREMENT UNCERTAINTY (MU)

California Technical Bulletin 117-2013, Section 1 does not contain reporting instructions related to MU.

However, the performance criteria listed in the test method include binary responses (i.e. yes or no if ignition occurs, etc.). MU calculations cannot be performed on such data.



Robert A. Carleton,
Technician.



Ian Smith,
Technical Manager.

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