



# COMMERCIAL TESTING COMPANY

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**Report Number 16-11140**

**Vescom America  
Henderson, North Carolina**

**Test Number 4887-0250  
November 7, 2016**

## **Cigarette Ignition Resistance of Upholstery Fabrics**

**Test Method:** The material was evaluated in accordance with the State of California Department of Consumer Affairs Technical Bulletin 117-2013, Section 1: Cover Fabric Test. The test utilizes a miniature assembly consisting of the fabric to be tested over a 1.80 lb/ft<sup>3</sup> certified standard polyurethane foam substrate, Testfabrics, Inc., Type C27180WTX, Lot Number 5/19/16, Batch Number 33755, mounted on a mock-up that resembles a small chair seat and back. The assembly is exposed to a lighted cigarette as an ignition source. The test is not intended to measure the performance of upholstered furniture under conditions of open flame exposure and do not indicate whether the furniture will resist the propagation of flame under severe fire exposure. The specimens are prepared and tested in accordance with ASTM International standard E1353 as modified by CAL-117. The prepared mock-up specimens are conditioned a minimum of 24 hours in an atmosphere maintained at 70 ± 2°F and the relative humidity at 50 ± 5 percent. The ignition source (cigarette) is NIST Standard Reference Material SRM 1196.

**Requirements:** A single mock-up test specimen fails to meet the requirements of this procedure if any of the following occurs: 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 develops on the cover fabric; or c) 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 the mock-ups 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, the test is repeated on three additional 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.

**Material Tested:** The client submitted a sample of PVC upholstery with polyester/cotton backing identified as **BV PVC Upholstery**.

**Test Data:**

Specimen	Cigarette Extinguishing Time (minutes)	Specimen Pass/Fail
1	Cigarette Self-Extinguished < 5:00	Pass
2	Cigarette Self-Extinguished < 5:00	Pass
3	Cigarette Self-Extinguished < 5:00	Pass

**Test Result:** The material tested meets the requirements of California Technical Bulletin 117-2013.

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*(Authorized Signature)*

*This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.*