



# COMMERCIAL TESTING COMPANY

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Report Number 16-11141

Vescom America  
Henderson, North Carolina

Test Number 4887-0251  
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## Cover Fabric Classification Test

**Test Procedure:** The test was conducted in accordance with the NFPA 260, *Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture*, 2009 Edition, Section 6.1, Cover Fabric Test. This test is designed to evaluate ignition resistance of upholstered furniture when exposed to smoldering cigarettes under specified conditions and establishes a classification system for determining the resistance to ignition. The test results obtained with a material component tested in a given mock-up do not necessarily indicate the performance of the same material in the form of other geometric configurations such as full-size furniture. The material under test is mounted in a mini-mock-up tester over a standard open-celled polyether-type urethane foam having a density of 20 – 25 kg/m<sup>3</sup>. An ignition source, a natural tobacco cigarette (NIST SRM 1196) is ignited and placed on the test assembly such that it lies in the crevice and against the vertical panel, and covered with cotton sheeting fabric with a weight 125 g/m<sup>2</sup>. The cigarette is allowed to burn its full length unless an obvious ignition of the polyurethane substrate occurs. If a cigarette extinguishes before burning its entire length, a fresh cigarette is placed on a fresh area of the test assembly and covered with sheeting fabric until one of the following occurs: (1) three cigarettes have burned their entire lengths on three individual test specimens; or (2) three cigarettes have self-extinguished on the sample. If an obvious ignition occurs on any of the three specimens, the smoldering materials shall be extinguished and the sample shall be recorded as a Class II cover fabric based on the results of this test. If no obvious ignition occurs, the char on the vertical panel measured from the original crevice position to the highest part of the destroyed or degraded cover fabric is recorded to the nearest 2.5 mm. The highest point of destroyed or degraded fabric shall be defined as the highest point at which any of the fabric is charred from front to back.

**Cover Fabric Classification:** A Class I cover fabric shall show no evidence of ignition of any test assembly and the vertical char on any of the three specimens shall not exceed 45 mm. A Class II cover fabric is any fabric that does not meet Class I criteria (Reference: NFPA 260, Section 7.2).

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

**Test Data:**

Specimen	Ignition
1	Cigarette Self-Extinguished
2	Cigarette Self-Extinguished
3	Cigarette Self-Extinguished

**Test Result:** The material tested may be classified as an **NFPA 260 Class I** cover fabric.

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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.*