



# COMMERCIAL TESTING COMPANY

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Report Number 16-09217

Vescom, Inc.  
Henderson, North Carolina

Test Number 4861-9652  
September 21, 2016

## Abrasion Resistance

**Test Method:** The test was conducted in accordance with ASTM International Test Method D4157, *Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)*, often referred to as the Wyzenbeek method. By this test, abrasion resistance is measured by subjecting the specimens to unidirectional rubbing action under known conditions of pressure, tension, and abrasive action using specimens taken from both the machine and cross-machine directions. For this test, the parameters were selected from Table I in D4157, #10 Cotton Duck as the abradant, a head pressure of 3 pounds force, and the specimen tension at 4 pounds force. Resistance to abrasion was evaluated in accordance with Section 12.3 of the standard, Evaluation of Visual Changes. The client requested the sample be abraded to 50,000 cycles (double rubs).

**ACT Requirement:** The Association for Contract Textiles, ACT, *Voluntary Performance Guidelines* specifies that Low Traffic/Private Spaces-Woven Upholstery Fabrics withstand 15,000 double rubs and High Traffic/Public Spaces-Woven Upholstery Fabrics withstand 30,000 double rubs using the Wyzenbeek method in combination with #10 Cotton Duck abradant. ACT acknowledges that there are extreme wear situations that may require higher levels of abrasion resistance and specifies High Traffic/Public Spaces-Coated Upholstery Fabrics withstand 50,000 double rubs in combination with #10 ACT approved Cotton Duck or Wire Screen. ACT suggests double rubs exceeding 100,000 are not meaningful in providing additional value in use. Wire screen abradant may be used for testing coated fabrics, as well as fabrics woven with low-melting fibers such as olefin.

**Material Tested:** The client submitted a sample of coated fabric identified as 702503 Keri.

### Test Result:

Number of Cycles to End Point (double rubs)	Performance Use (ACT Guidelines)
50,000	High Traffic/Public Spaces

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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.