

## TEST REPORT

**Applicant:** Brentano, Inc  
260 Holbrook Drive  
Wheeling , IL 60090  
**Attention:** Lan Chenh  
**E-Mail:** lchenh@brentanofabrics.com

**Sample Description as Declared :**

Description : Upholstery Fabric  
Style# : 5829  
Order # /PO # : DES2184  
No. Of Samples: 2  
Finish: Stain Resistant and Acrylic Backing  
End Use : Indoor/ Outdoor Upholstery  
Color : 5829-03 and Testing Sample (Red)  
Fiber Content : 100% Sunbrella Solution-Dyed Acrylic  
Date Received / Date Test Started : February 09, 2017/ February 09, 2017



For and on behalf of  
Intertek Products Group North America:



Edwin Serrano  
Customer Service

**Intertek North America**  
545 E Algonquin Road, Suite F  
Arlington Heights, Illinois 60005  
Telephone: 847-871-1020 Fax: 847-439-6156



AT-1348



Style No.: 5829

**TEST RESULTS:**

**BREAKING STRENGTH**

ASTM D 5034  
Color: 5829-03

|      |       |
|------|-------|
|      | (lbf) |
| Warp | 175.1 |
| Fill | 156.1 |

**YARN SLIPPAGE**

ASTM D 4034  
Color: Testing Sample (Red)

| Average (lbf) | Sean Opened<br>at ¼" /6mm | Seam Strength | Type of Sem<br>Rupture |
|---------------|---------------------------|---------------|------------------------|
| Warp          | *                         | 76.8          | STB                    |
| Weft          | *                         | 71.2          | STB                    |

**Remark:** STB = SEWING THREAD BREAK

\* =THE SEAM OPENING WAS LESS THAN ¼INCH/6MM THOUGH THE ULTIMATE SEAM STRENGTH WAS FOUND AS STATED

**COLORFASTNESS TO CROCKING: ROTARY VERTICAL CROCKMETER METHOD**

AATCC 116

Color: 5829-03

|     |     |
|-----|-----|
| Dry | 4.5 |
| Wet | 4.5 |

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**RESISTANCE TO PILLING AS RECEIVED: BRUSH PILLING TESTER**

ASTM D 3511

Testing Sample(Red)

Running Time: 4 minutes, then 2 minutes

Average: 4.5  
Hair/Fuzziness Negligible

**RATING SYSTEM**

- Grade 5, No Pilling
- Grade 4, Slight Pilling
- Grade 3, Moderate Pilling
- Grade 2, Severe Pilling
- Grade 1, Very Severe Pilling

**NFPA 260-2013 - Standard Methods of Test and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture**

Color: 5829-03

The material submitted is an NFPA 260 Class I cover fabric when tested in accordance with NFPA 260, Fabric Classification Test Method.

| Specimen # | Vertical Char Length (mm) |
|------------|---------------------------|
| 1          | 13                        |
| 2          | 12                        |
| 3          | 16                        |

**Classification:**

Class 1 - This class includes all fabrics which exhibit a vertical char of less than 45 mm on each of the three replications when subjected to the fabric classification test of NFPA 260, Section 6.1.

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**CA TB 117:2013 – Smolder Resistance of Materials used in Upholstered Furniture**  
*-Section 1: Cover Fabric Test*

Color: 5829-03

The cover fabric material submitted **does meet** the flame resistance requirements when tested in accordance with the Bureau of Electronic & Appliance Repair Home Furnishings and Thermal Insulation, Technical Bulletin 117 – 2013, Section 1: Cover fabric test

| Component Description: Upholstery Fabric |                               |  |   |
|--|-------------------------------|--|---|
| Initial Test                             |                               |  |   |
|  | Vertical Char length (Inches) | Mock-up specimen continues to smolder After 45 Minutes | Mock-up test specimen transitions to open flaming |
| Specimen 1                               | 0.5                           | No   | No  |
| Specimen 2                               | 0.6                           | No   | No  |
| Specimen 3                               | 0.6                           | No   | No  |

**Requirements: A cover fabric material considered pass or fail based on following criteria**

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
  - a). The mock-up test specimen continues to smolder after 45 minutes test duration.
  - b). A vertical Char length (measured as specified in step 11.9 of ASTM E1353-08a<sup>ε1</sup>) of more than 1.8 inches (45 mm) develops on the cover fabric.
  - c). The mock-up test specimen transitions to open flaming.
2. 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.
3. If more than one initial specimen fails, the cover fabric fails the test.
4. If any one of the three initial specimens fails, repeat the test on additional three specimens.
5. 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.

**Note:** For Cover fabrics that pass this section, the first layer of filling materials located below the cover fabric shall also meet the test requirements of section 3 of CA TB -117 :2013

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*If you need assistance in interpreting these results or if you have any questions, please feel free to call  
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TESTING LABORATORY  
AT-1348