

CERTIFICATE OF TESTING

For the Account Of: Creation Baumann
979 Third Avenue
Suite 1522
New York, NY 10022

Client's Identification: Arno

TEST PERFORMED Breaking Strength and Elongation of Textile Fabrics (Grab Test) ASTM D5034-09(2013)(G-E)

TEST RESULTS

Specimen	Breaking Force (lbf)	
1	208	
2	234	
3	239	
4	239	
5	239	
		Avg of Warp: 232
6	195	
7	230	
8	204	
9	210	
10	215	
11	207	
12	214	
13	212	
		Avg of Fill: 211

NOTES

Equipment Used: Tinius Olson H5KT Universal Testing Machine
Load Cell Maximum: 1000 pounds
Jaw Size: 1 inch x 1 inch (face and back), rubber coated
Test Conditions: 70 ±4°F, 65 ±5% Relative Humidity
Sampling Method: As Received

ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria
Upholstery	50 pounds minimum
Panels and Upholstered Walls	35 pounds minimum

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.


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TEST PERFORMED Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Brush Pilling Tester
ASTM D3511/D3511M-15

TEST RESULTS

	Rating
Left	5.0
Center	5.0
Right	5.0
Average	5.0

NOTE: Specimens also exhibit severe fuzzing, not factored into results above

RATING SYSTEM

- Class 5.0 No Pilling
- Class 4.0 Slight Pilling
- Class 3.0 Moderate Pilling
- Class 2.0 Severe Pilling
- Class 1.0 Very Severe Pilling

NOTES

- Test Conditions: 70 ±4°F, 65 ±5% Relative Humidity
- Sampling Method: As Received
- Viewing Apparatus: Macbeth Lightbooth
- Viewing Option: 45 degree
- Rating Standard: ADJD3512 Photographic Standards
- Running Times: 4 minutes brushing / 2 minutes pilling

ACCEPTANCE CRITERIA

- A.C.T. Standard: Acceptance Criteria
- Upholstery Class 3 minimum

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TEST PERFORMED California Technical Bulletin 117: June 2013 – Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture – Cover Fabric Test

TEST RESULTS

Specimen	Char Length (in)	Extinguished in 45 minutes? (Y/N)
1	0.8	Y
2	0.7	Y
3	0.7	Y

NOTES

Test Conditions: 70 ±5°F, 50 ±5% Relative Humidity

ACCEPTANCE CRITERIA

A material is considered to pass or fail based on the 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 the 45 minute test duration
 - b. A vertical char length of more than 1.8 inches (45mm) 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 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

CONCLUSION

Based on the above Results and Acceptance Criteria, the item tested is:

- Pass
 Fail

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TEST PERFORMED Colorfastness to Light AATCC Test Method 16.3-2014, Option 3

TEST RESULTS

Rating	Number Of Hours
Class 4.5	40

RATING SYSTEM

- Class 5 No fading or color change
- Class 4 Slight fading or color change
- Class 3 Noticeable fading or color change
- Class 2 Considerable fading or color change
- Class 1 Much fading or color change

NOTES

Light Source: Xenon –Arc, Water Cooled, Continuous Light
Scale Used for Evaluation: AATCC Gray Scale for Color Change

ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria
Upholstery	Class 4 minimum – 40 hours
Direct Glue Wallcoverings	Class 4 minimum – 40 hours
Panels and Upholstered Walls	Class 4 minimum – 40 hours
Drapery	Class 4 minimum – 60 hours

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TEST PERFORMED Colorfastness to Wet & Dry Crocking AATCC 8-2013

TEST RESULTS

Dry Crocking	Class 5.0
Wet Crocking	Class 5.0

RATING SYSTEM

- Class 5 No color transfer
- Class 4 Slight color transfer
- Class 3 Moderate color transfer
- Class 2 Considerable color transfer
- Class 1 Much Color transfer

NOTES

Scale Used for Evaluating: AATCC Chromatic Transference Scale

ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria (Dry)	Acceptance Criteria (Wet)
Upholstery	Class 4 minimum	Class 3 minimum
Direct Glue Wallcoverings	Class 3 minimum	Class 3 minimum
Panels and Upholstered Walls	Class 3 minimum	Class 3 minimum
Draperies (Solid)	Class 4 minimum	Class 3 minimum
Draperies (Print)	Class 4 minimum	Class 3 minimum

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TEST PERFORMED Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam ASTM D4034-92

TEST RESULTS

Specimen	Warp Yarn Slippage (lbf)		Fill Yarn Slippage (lbf)	
1	89.4	SS	107.1	SB
2	79.5	SS	112.7	SB
3	93.9	SS	113.5	SB
4	87.1	SS	117.2	SB
5	80.4	SS	112.4	SB
Average	86.0		112.6	

ABBREVIATIONS USED

SB Seam broke before 1/4" slippage - Results should reflect this
 SS 1/4" slippage occurred - Note: Actual slippage of yarns is visible
 FB Fabric broke before 1/4" slippage - Note: Actual breakage is visible

NOTES

Equipment Used: Tinius Olson H5KT Universal Testing Machine
 Seam Description:

Seam Type Standard Lockstitch
 Stitches per Inch 7 ± 0.5 stitches per inch
 Needle Used Size 22 NM: 140, 135x17 ball point needle
 Thread Nymo EX Bonded Nylon thread; 5x is used for the bobbin and 8x is used for the needle

ACCEPTANCE CRITERIA

A.C.T. Standard Upholstery Acceptance Criteria
 25 lbs. Minimum

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TEST PERFORMED Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method) ASTM D4157-13

TEST RESULTS

Number of Double Rubs	Warp (Length) Specimens	Fill (Width) Specimens
50,000	No breakage / wear	No breakage / wear

INTERPRETATION USED

- Option 1 The end point is reached on a woven fabric when two or more yarns have broken or on a knitted fabric, when a hole appears.
- Option 2 The end point is reached when there is a change in shade or appearance that is sufficient to cause a customer to complain.

NOTES

Abradant Used: ACT Standard #10 Cotton Duck Wire Screen
Samples Backed with Masking Tape: Yes No
Tension: 4 pounds
Compression: 3 pounds

ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria
General Contract Upholstery	No appreciable breakage or wear after 15,000 double rubs
Heavy Duty Upholstery	No appreciable breakage or wear after 30,000 double rubs

CONCLUSION Based on the above Results and the A.C.T. Standard, the item tested:

- Unrated
 General Contract Upholstery
 Heavy Duty Upholstery

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