



96-D Allen Boulevard
 Farmingdale, New York 11735-5626 USA
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Received: 12/09/2016	Completed: 01/06/2017	Letter: L	RG	P.O.#: 58739	Test Report #:	3-16716-0-
Client's Identification	Lot No.: Synergy / Synergy 170 / Synergy 66. Date of Mfg.: 02.12.16. Style: HLDS16. Run: 319037. Composition: 95% Virgin Wool, 5% Polyamide. Weight: 400 g/m ² . End Use: Contract Upholstery.					
Tested For: Rebecca Grimes	Key Test: ASTM D4966/ACT 100K					610
	Camira Fabrics Ltd.		Meltham Mills, Meltham -HD9-4AY		West Yorkshire UK, ENGLAND	
			Tel: 011 44 1924 481366		Ext:	
			Fax:			

Test Category: Martindale Abrasion Specifier: ACT LE 2015; V 08/15 CODE: 100,000 RQ
 NTR 9/15 dl/SM

TEST PERFORMED: ASTM D 4966 Martindale Abrasion Method Standard Test Method for Abrasion Resistance of Textile Fabrics (Upholstery Fabric Classification) --

As cited by the ACT Voluntary Performance Guidelines (January 2015)

Abradant: Plain weave cross-bred worsted wool standard fabric, 5.8 oz/sq yd
 Pressure: 1.74 psi ± 0.04 psi (12 kPa)

Foam disk is inserted if test item is less than 14.7 oz/yd².

APPROXIMATE FABRIC WEIGHT (as measured by Govmark): 12.0 oz/yd²

PRODUCT CATEGORY: Upholstery - Woven Fabric

INTERPRETATIVE OPTIONS:

Option 1: Smooth or Textured Surface Fabrics --

Woven Fabric: The end point (wear) is reached when two or more threads have broken; loss of special effect yarn or pile exposing base fabric.

Knitted Fabric: The end point is reached when a hole appears.

Option 2: Slightly Napped, Brushed, Sueded Fabrics, Coated Fabrics --
 The end point (wear) is reached when there is a change in shade or appearance that is sufficient to cause a customer to complain.
 The shade end point (wear) is reached when a color change is assigned a Grey Scale rating of 3 or less.

RATING SYSTEM FOR OPTION 1:

- 5 - None or negligible change in appearance
- 4 - Slight change in appearance
- 3 - Moderate change in appearance
- 2 - Objectionable change in appearance (broken yarns, floating yarns, loss of pile, core yarn exposed, a hole, etc.)
- 1 - Severe change in appearance (complete fabric break, base fabric exposed, or running and pulling of knit)



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RATING SYSTEM FOR OPTION 2: (AATCC Grey Scale for Color Change)

- Grade 5 - No color change
- Grade 4 - Slight color change
- Grade 3 - Noticeable color change
- Grade 2 - Considerable color change
- Grade 1 - Excessive color change

RESULTS: Visual evaluation

Option 1; Option 2

No. of Rubs	Visual Evaluation
5,000	4
10,000	4
20,000	4
30,000	3.5
40,000	3
45,000	3
50,000	3
55,000	3
60,000	3
65,000	3
70,000	3
75,000	3
80,000	3
85,000	3
90,000	3
95,000	3
100,000	3

Moderate loss of surface texture

NOTE: The abradant fabric is changed at 50,000 rubs if breakdown has not been reached.

REMARKS: None.

ACCEPTANCE CRITERIA:

- Low Traffic/Private Spaces: No objectionable change in appearance at 20,000 rubs
- High Traffic/Public Spaces: No objectionable change in appearance at 40,000 rubs



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

Low Traffic/Private Spaces; High Traffic/Public Spaces; Unrated

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

Ms. Phyllis Pettit

JAN 09 2017

AUTHORIZED SIGNATURE
 GOVMARK
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