SGS GOVMARK

96-D Allen Boulevard Farmingdale, New York 11735-5626 USA Tel. +1 (631) 293-8944 Fax +1 (631) 293-8956 email: govmark.accounting@sgs.com

Page 1

Received:09/1	6/2019 Completed: 10/12/2019	Letter: U3 T	TM P.O. #:	Test Report #	:	3-34529-3-
Client's Identification	Style: Morph. Content: 85% Ne End Use: Upholstery.	ew Zealand Wool /	15% Polyamide. Weig	ht: 450 g/lm. Color: 6101	Violet Beige	Product
	Bente Ellingsoe, Quality Dep Babriel A/S	partment	Key Te	est: ASTM D 4966/ACT	100K	610
	Hjulmagervej 55 DK-9000 Aalborg, Denmark			el: 011-45-9630-3100 x: 011-45-9811-6125	Ext:	

CODE: 100,000 RQ

/jd

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

Abradant:

Plain weave cross-bred worsted wool standard fabric, 5.8 oz/sq yd

Pressure:

 $1.74 \text{ psi } \pm 0.04 \text{ psi } (12 \text{ kPa})$

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

APPROXIMATE FABRIC WEIGHT (as measured by SGS Govmark): 9.66 oz/yd²

INTERPRETATIVE OPTIONS:

[x] Option 1: Smooth or Textured Surface Fabrics --

[x] 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 -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)

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

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Received:09	/16/2019 Complete d	:10/12/2019 Letter: U3	TM P.O. #:	Test Report #:	3-34529-3-
Client's Identification	Style: Morph. Con End Use: Upholst		ol / 15% Polyamide. W	eight: 450 g/lm. Color: 6101 Violet	Beige. Product
Tested For:		Quality Department	Key	Test: ASTM D 4966/ACT 100K	610
	Gabriel A/S				
	Hjulmagervej 55 DK-9000 Aalborg, I	Danmark			xt:
	DK-9000 Aalborg,	Jennark		Fax: 011-45-9811-6125	
RESULTS:	Visual evaluati	on (see page 1 for Rat	ing System)		
No. of Ruk	os Rating				
5,000	5				
10,000	5				
20,000	4.5				
30,000	4.5				
40,000	4.5				
50,000	4				
60,000	4				
70,000	4				
80,000	4				
90,000	4				
100,000	3.5				
	Slight to moderate				
	thinning	of			
	surface	OI.			
	texture				
NOTE: For	tests exceeding	50,000 rubs, the wool	abradant is cha	nged after every 50,000 ruk	os.
End Point	Evaluation:				
		Numbers of Dules			
Specimen #		Number of Rubs End Point			
specimen #		End Forne			
1		100,000			
2		100,000			
3		100,000			
	AVG:	100,000			
REMARKS:	None.				
ACCEPTANCE Materials		ited by ACT Voluntary	Performance Guid	elines (January 2005) For U	Jpholstery
	l Contract Upho Duty Upholstery			pearance at 20,000 rubs pearance at 40,000 rubs	
CONCLUSION	: Based on the	above Results and Acc	eptance Criteria	, the item tested is rated	for:
[x] Gen	eral Contract U	pholstery; [x] Heavy	Duty Upholstery	; [] Unrated	
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Received:09/1	6/2019 Completed: 10/12/2019	Letter: U3	TM	P.O.#:	Test Report #:	3-34529-3-
Client's Identification	Style: Morph. Content: 85% Ne End Use: Upholstery.	ew Zealand Wool	/ 15%	Polyamide. Weight: 4	50 g/lm. Color: 6101 Vi	olet Beige. Product
	Bente Ellingsoe, Quality Dep Gabriel A/S	artment		Key Test:	ASTM D 4966/ACT 10	0K 610
	Hjulmagervej 55 DK-9000 Aalborg, Denmark				011-45-9630-3100 011-45-9811-6125	Ext:

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

AUTHORIZED SIGNATURE

SGS GOVMARK
/jab /pm

Phyllis Pettit

OCT 18 2019

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