

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

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Received: 12/15/2017 Completed	:01/02/2018 Letter: Y3	TM P.O.#:	Test Report #:	3-23711-3-
Client's Style: Flex. Composition: 100% Polyester. Weight: 680 g/lm. Product End Use: Upholstery. Color #: 60011/Grey.  Identification				
Tested For: Bente Ellingsoe, Gabriel A/S Hjulmagervej 55 DK-9000 Aalborg, I		Ke	y Test: ASTM D 4157/ACT 100k Tel: 011-45-9630-3100 Fax: 011-45-9811-6125	Ext:
Test Category:Wyz Abrasic PC: 8H	on Specifier:ACT LE NTR 5/16	E 2015; VE 08/15	CODE: 100,000 RQ dl/SM	
TEST PERFORMED: ASTM D 4 (Oscillatory Cylinder Met		nod for Abrasion	Resistance of Textile Fab	rics
As cited and modified	by the ACT Voluntary H	Performance Guid	elines (January 2015)	
cylinder of the tester. testing arms. Typically, specimens. The abradant a double rub. At specifi visually examined. The r	The submitted material two of the arms supported the submitted intervals, the submitted intervals, the supported this visual element's request. The terminal submitted in the submitted intervals is a submitted to the submitted intervals.	I which is to be port length speci- itted material. Poort arms are rates as a second is restained to the second se	s placed on the rotating ( evaluated is held in posimens, and two of the arms A back and forth movement ised, and the submitted ma ecorded. The total number at the number of double r	tion by four support width is considered terial is of double rubs
PRODUCT CATEGORY: Upholst	ery - Woven Fabric			
TEST PARTICULARS (check o	one from each of items	1 - 3, as appli	cable):	
1. Abradant:	[x] #10 cotton duck - [] Wire (steel) scre		all materials except 100% or 100% olefin	olefin
<ol><li>Material with elasticity:</li></ol>	[x] Backed with tape	to prevent elon	gation	
3. Surface Category:	[ ] Regular surface [x] Special surface (	effect (napped,	chenille, embossed, textur	red, etc.)
TEST CONDITIONS: Specime	en Tension: 4 lbs.; I	Head Pressure (C	ompression Force): 3 lbs.	
RATING SYSTEM FOR REGULAR	SURFACE:			
5 - None or negligible 4 - Slight wear 3 - Moderate wear 2 - Noticeable wear (k 1 - Severe wear (compl	oroken yarns, floating	yarns, etc.)		
RATING SYSTEM FOR SPECIAL	SURFACE EFFECT:			
5 - None or negligible 4 - Slight wear/change 3 - Moderate wear/chan 2 - Noticeable wear/ch 1 - Severe wear/change	e of special surface en age of special surface ange of special surface	ffect effect ce effect (base	yarns exposed)	
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Received: 12/15/2017 | Completed: 01/02/2018 | Letter: Y3 TM **P.O.**#: Test Report #: 3-23711-3-Style: Flex. Composition: 100% Polyester. Weight: 680 g/lm. Product End Use: Upholstery. Color #: 60011/Grey. Identification Tested For: Bente Ellingsoe, Quality Department Key Test: ASTM D 4157/ACT 100K 484 Gabriel A/S Tel: 011-45-9630-3100 Hjulmagervej 55 Ext: DK-9000 Aalborg, Denmark Fax: 011-45-9811-6125 RESULTS: Visual Observations (see page 1 for Rating System) # of Double Rubs Length Specimens Width Specimens \_\_\_\_\_ 5 5 3,000 9,000 4.5 4.5 15,000 4.5 4.5 22,500 4.5 4.5 30,000 4.5 4.5 40,000 4.5 4 50,000 3.5 60,000 3.5 70,000 3.5 80,000 3.5 90,000 3.5 100,000 Slight thinning of Moderate thinning of surface texture surface texture NOTE: For tests exceeding 100,000 double rubs, the cotton duck abradant is changed after every 100,000 double rubs. REMARKS: None. ACCEPTANCE CRITERIA: Low Traffic/Private Spaces: No yarn breaks or noticeable wear after 15,000 double rubs (Minimum rating of 3) High Traffic/Public Spaces: No yarn breaks or noticeable wear after 30,000 double rubs (Minimum rating of 3) CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested is rated for: [x] Low Traffic/Private Spaces; [x] High Traffic/Public Spaces; [] Unrated CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance

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with the procedures and equipment specified above.

AUTHORIZED SIGNATURE

GOVMARK MA-2/ac Douglas W. Lipp

JAN 1 6 2018