

Received: 10/14/2008	Completed: 10/27/2008	Letter: H4	her	P.O.#:	Test Report #:	2-75764-4-
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Client's Identification	Art: 8610 Fighter Col. 60082 Light Grey.
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Tested For: Bente Ellingsoe Attermann, Quality Department Gabriel A/S Hjulgagervej 55 DK-9000 Aalborg, Denmark	Key Test: ASTM D 4157-02/ACT	525
	Tel: 011 45 9630 3108	Ext:
	Fax: 011 45 9811 5227	

Test: Wyz Abrasion Specifier: ACT PC: 8H CODE: 150,000 RQ /jd

TEST PERFORMED: As cited and modified by the ACT Voluntary Performance Guidelines (January 2005) --

ASTM D 4157-02 - Standard Test Method for Abrasion Resistance of Textile Fabrics
(Oscillatory Cylinder Method - Wyzenbeek)

TEST PARTICULARS (check one from each of items 1 - 3, as applicable):

1. Abradant: #10 cotton duck
 Specified for all materials except 100% olefin;
 not recommended for coated fabric.

 Wire (steel) screen
 Specified for 100% olefin; recommended for coated fabric
2. Material with
 elasticity: Backed with tape to prevent elongation
3. Surface Category: Regular surface
 Special surface effect
 (napped, chenille, embossed, textured, etc.)

TEST CONDITIONS: Specimen Tension: 4 lbs.
 Head Pressure (Compression Force): 3 lbs.

RATING SYSTEM FOR REGULAR SURFACE:

- 5 - None or negligible wear
- 4 - Slight wear
- 3 - Moderate wear
- 2 - Noticeable wear (broken yarns, floating yarns, etc.)
- 1 - Severe wear (complete fabric break)

RATING SYSTEM FOR SPECIAL SURFACE EFFECT:

- 5 - None or negligible wear/change of special surface effect
- 4 - Slight wear/change of special surface effect
- 3 - Moderate wear/change of special surface effect
- 2 - Noticeable wear/change of special surface effect (base yarns exposed)
- 1 - Severe wear/change of special surface effect (base yarns exposed and broken)

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RESULTS: Visual Observations (see page 1 for Rating System)

# of Double Rubs	Length Specimens	Width Specimens
3,000	4.5	5.0
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	4.5
50,000	4.5	4.5
60,000	4.0	4.0
70,000	4.0	4.0
80,000	4.0	4.0
90,000	4.0	4.0
100,000	4.0	4.0
110,000	4.0	4.0
120,000	4.0	4.0
130,000	3.5	3.5
140,000	3.5	3.5
150,000	3.5	3.5
	Slight to moderate thinning of surface.	Slight to moderate thinning of surface.

REMARKS: None.

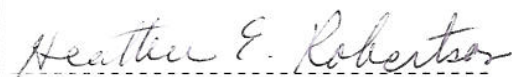
ACCEPTANCE CRITERIA: As cited by the ACT Voluntary Performance Guidelines (January 2005) for Upholstery Fabrics --

General Contract: No yarn breaks or noticeable wear after 15,000 double rubs
Heavy Duty: No yarn breaks or noticeable wear after 30,000 double rubs

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

General Contract Upholstery; Heavy Duty Upholstery; Unrated

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by ASTM D 4157-02.



AUTHORIZED SIGNATURE

MS. HEATHER ROBERTSON

THE GOVMARK ORGANIZATION, INC. MA-7 /df

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