



The University of Georgia

Department of Textiles, Merchandising and Interiors

University of Georgia - Textile Sciences Test Laboratories

UPHOLSTERY FABRIC SPECIFICATION

DESIGN: Wool Homespun
 CONTENT: 100% Wool
 WIDTH: 55" - 140 cm
 ROLL SIZE: 50 yds +/- 10%
 PATTERN: 3022



REPORT No. 2009-02

DATE: March 26, 2009

WEIGHT: 30.57oz/yd

RECOMMENDED CARE - 3 -

Item	Test Method	Test Results												
	Abrasion ASTM D4966-98 [12 (3%) pressure] also passes this test. 40,000 cycles Martindale method Rep. 1-4 2 yarns broken before 40,000 movements Rep. 5-8 no yarns broken after 40,000 movements Rep. 6-8 some yarns very thin and almost broken 8 reps, 7 passed, 1 failed	Pass												
	Flammability CAL 117	Pass												
	Brush Pill ASTM D3511-05 Grade 3 minimum pass <table border="1"> <tr> <td>2/3.5</td> <td>2/4</td> <td>3/4</td> <td>4/4.5</td> <td>2.5/4</td> </tr> </table> Overall Mean = 3.3 Std. Dev. = 0.9 %CV = 27.3 2 raters	2/3.5	2/4	3/4	4/4.5	2.5/4	Pass Mean: 3.5							
2/3.5	2/4	3/4	4/4.5	2.5/4										
	Wet & Dry Crocking Upholstery AATCC 8-2001 Dry Crocking, Grade 4 minimum. Wet Crocking, Grade 3 minimum	Pass: Dry = 4 Pass: Wet = 3												
	Seam slippage ASTM D4034 25 lbs. minimum in warp and weft <table border="1"> <tr> <td>warp</td> <td>25.2</td> <td>29.9</td> <td>42.2</td> <td>39.1</td> <td>27.0</td> </tr> <tr> <td>weft</td> <td>16.2</td> <td>17.2</td> <td>16.3</td> <td>19.2</td> <td>22.4</td> </tr> </table> warp Mean = 32.7 lbs Std. Dev. = 7.6 %CV = 23.1 weft Mean = 18.2 lbs Std. Dev. = 2.6 %CV = 14.2 5 reps	warp	25.2	29.9	42.2	39.1	27.0	weft	16.2	17.2	16.3	19.2	22.4	Pass Warp: 32.7 lbs Weft: 18.2 lbs
warp	25.2	29.9	42.2	39.1	27.0									
weft	16.2	17.2	16.3	19.2	22.4									
	Breaking strength ASTM D5034-95 (2001) (Grab Test) 50 lbs. minimum in warp and weft <table border="1"> <tr> <td>warp</td> <td>174.5</td> <td>192.5</td> <td>191.3</td> <td>200.6</td> <td>187.8</td> </tr> <tr> <td>weft</td> <td>172.1</td> <td>181.8</td> <td>185.3</td> <td>185.6</td> <td>191.0</td> </tr> </table> warp mean = 189.3 Std. Dev. = 9.5 %CV = 5.0 weft mean = 182.8 Std. Dev. = 6.9 %CV = 3.8 5 reps	warp	174.5	192.5	191.3	200.6	187.8	weft	172.1	181.8	185.3	185.6	191.0	Pass Warp: 189.3 lbs Weft: 182.8 lbs
warp	174.5	192.5	191.3	200.6	187.8									
weft	172.1	181.8	185.3	185.6	191.0									

Tested and Approved by

Patricia A. Annis

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