

TEST REPORT

Report Ref.:	LEI17076239A Original		
Date Received:	28/07/2017	Date Issued:	02/08/2017

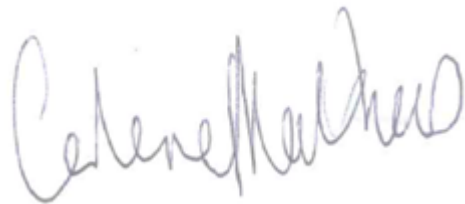
Company Name & Address:	Bute Fabrics Ltd Barone Road Isle of Bute, PA20 0DP GBR
Contact Name:	Rachel Evison

Order Number:	135950/3133
Sample Description:	Woven beige
Ref / Style Number:	CF1012
Colour:	Beige
Supplier:	Bute
End Use:	Upholstery
Quoted Fibre Composition:	94%PNW 6%Nylon
Retailer:	General

Test	Method	Sample	Result
Upholstery Seam Slippage Resistance - Fixed Load	BS EN ISO 13936-2: 2004		See Results
Pilling Resistance - Martindale Method	BS EN ISO 12945-2: 2000		See Results
Martindale Abrasion Resistance - 12 kPa	BS EN 14465: 2003 Annex A		See Results

Tests marked (^) in this report have been performed by an approved 3rd party laboratory.
Tests marked (*) in this report are not included in our UKAS scope of accreditation.

Please Note: The Colour Fastness to Light will follow on report number LEI17076291A once completed.



Carlene Matthews
(Jobsheet Technician)

Upholstery Seam Slippage Resistance - Fixed Load BS EN ISO 13936-2: 2004
Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

	Warp way seam opening @ 180 N	Weft way seam opening @ 180 N	Performance Level
180N Test load			
1	8.0 mm	5.0 mm	A = 4mm
2	7.0 mm	4.0 mm	B = 6mm
3	7.0 mm	5.0 mm	C = 8mm
4	6.0 mm	6.0 mm	D + E = N/A
5	7.0 mm	5.0 mm	
Average	7.0 mm	5.0 mm	
Performance level	C	B	
Overall performance level	C		
BS 2543: 2004 Classification (Minimum levels for customer reference)			
Light Domestic	C - ≤ 8mm		
General Domestic	B - ≤ 6mm		
Heavy Domestic	A = ≤ 4mm		
General Contract	A = ≤ 4mm		
Severe Contract	A = ≤ 4mm		

Overall Test Result: See Results
Uncertainty: ±2%

Pilling Resistance - Martindale Method BS EN ISO 12945-2: 2000
Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

	Assessment @ 2000 Revs	Assessment @ 5000 Revs*	Performance Level
1	4	4	A = 4-5
2	4	4	B = 4
3	4	4	C = 3-4
Attribute	Fuzzing	Fuzzing	D = 3
Performance level	B	N/A	
Overall performance level	B	N/A	
BS 2543: 2004 Classification (Minimum levels for customer reference)			
Light Domestic	C - 3-4		
General Domestic	C - 3-4		
Heavy Domestic	B = 4		
General Contract	B = 4		
Severe Contract	B = 4		
*Results at 5000 revs are informative			
Test load:	415g		
Tested against:	Wool abradent		

Overall Test Result: See Results
Uncertainty: 1/2 grade

Martindale Abrasion Resistance - 12 kPa BS EN 14465: 2003 Annex A
Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

Fabric Type	Flat woven			
Test load: 12 kPa				
Specimen 1 - Shade Change @ 3000 revs	4 - 5			
	*Results	Performance level		
Head 2	No fabric breakdown @ 80,000 / Fabric breakdown @ 85,000 Revs	A = 35,000		
Head 3	No fabric breakdown @ 80,000 / Fabric breakdown @ 85,000 Revs	B = 12,000 - 30,000		
Head 4	No fabric breakdown @ 80,000 / Fabric breakdown @ 85,000 Revs	C = 4,000 - 10,000		
Overall result (Lowest individual result)	80,000 Revs			
Overall performance level	A			
*Inspection interval before the end-point was reached.				
BS 2543: 2004 Classification (Minimum levels for customer reference)				
	Flat woven	Figured weave	Woven/Flocked/Non-Woven Pile Fabrics	Knitted
Light Domestic	B - 15,000	B - 12,000	B - 15,000	B - 15,000
General Domestic	B - 20,000	B - 15,000	B - 20,000	B - 20,000
Heavy Domestic	B - 25,000	B - 20,000	B - 25,000	B - 25,000
General Contract	B - 30,000	B - 30,000	B - 25,000	B - 25,000
Severe Contract	A - 40,000	A - 40,000	A - 30,000	A - 30,000

Overall Test Result: See Results
Uncertainty: ±17%

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95%. Any Pass/Fail statements do not take into account the Measurement of Uncertainty. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are close to Specification Limits / Requirements.