Intertek
The Warehouse
Brewery Lane
Leigh WN7 2RJ
UK

Tel +44 1942 265 700
consumergoods.uk@intertek.com
intertek.com

FLAMMABILITY TEST REPORT

Report No.: LEI21020790A **Date Received:** 08/02/21 **Date Tested:** 12/02/21 **Date Issued:** 12/02/21

Company Name & Address: BUTE FABRICS LTD
4 BARONE ROAD
ROTHESAY
ISLE OF BUTE
PA20 0DP

Contact Name: M-A SPEIRS

Sample Details

Order No.:	3333
Sample Description:	Woven Fabric
Ref. / Style No.:	CF750
Colour:	0101
Quality:	Rosslyn
Supplier:	Bute Fabrics Limited
Batch No.:	Not stated
End Use:	Upholstery / Curtain & Drape
No. Of Samples:	Three
Quoted Fibre Composition:	92% Pure New Wool 8% Nylon
Retailer	Not stated
Sample Description:	Red coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852: Part 1: 1979, Ignition source 0 (Cigarette)	Water soaked as clause 4.2 to 4.5 of BS 5651:1978 as modified by The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended) then line dried.	Compliance with Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	**Complies**
Note: Fabric was submitted for test rather than the upholstery composite so as suggested by The Guide to the Furniture Regulations the cover fabric was tested for cigarette resistance using standard polyurethane foam (non-modified) as this will give the furniture manufacturer a good indication of its likelihood to pass the cigarette test for the finished article			
BS 5852: Part 1: 1979, Ignition source 1 (Match)	Water soaked as clause 4.2 to 4.5 of BS 5651:1978 as modified by The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended) then line dried.	Compliance with Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	**Complies**

~~STEVEN OWEN~~ ~~(Technical & Operational Excellence Manager)~~	ANDREW HALLETT (Flammability Team Leader)	~~CAROLE SPOWART~~ ~~(Flammability Administrator)~~	~~GREGORY JAMES~~ ~~(Flammability Technician)~~

ITS Testing Services (UK) Ltd
Registered in England No. 1408264. Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ

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Test Specification

Test Method:	BS 5852: Part 1: 1979 as modified by Schedule 4 Part 1 & Schedule 5 Part 1 of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).
Ignition Source:	Ignition source 0: Filterless cigarette Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C.
Flame Application Time:	20±1 seconds
Side Tested:	Face

Uncertainty of Measurement

The uncertainty of measurement for Schedule 4 Part 1 source 0 has been estimated to be 0.03%
The uncertainty of measurement for Schedule 5 Part 1 source 1 has been estimated to be 5.43%

Filling Specification

Filling Type:	Polyurethane foam
Supplier / Grade:	Carpenter / RP21130 unmodified
Size:	450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness:	20-22 kg/m^3 / Type B, 130N

Pre-treatment / Durability Procedure

None

Conditioning

Prior to Testing:	At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%
At Time of Testing:	Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

Test Results

"The following test results relate only to the ignitability of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use."

Ignition source 0 (Test 1):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. **(Pass)**
Ignition source 0 (Test 2):	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. **(Pass)**
Ignition source 1 (Test 1):	Flaming ceased with the removal of the burner, there was no progressive smouldering. **(Pass)**
Ignition source 1 (Test 2):	Flaming ceased with the removal of the burner, there was no progressive smouldering. **(Pass)**

Conclusions

The composite tested meets the requirements of Schedule 4 Part 1 (The cigarette test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

The fabric tested meets the requirements of Schedule 5 Part 1 (The match test) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

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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 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

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