

## FLAMMABILITY TEST REPORT

**Report No.:** LEI21011178A      **Date Received:** 20/01/21      **Date Tested:** 26/01/21      **Date Issued:** 26/01/21

**Company Name & Address:** BUTE FABRICS LTD  
4 BARONE ROAD  
ROTHESAY  
ISLE OF BUTE  
PA20 ODP

**Contact Name:** M A SPEIRS

### Sample Details

Order No.: 3317  
Description: Woven Fabric  
Ref. / Style No.: CF1153  
Colour: 0101 Cream  
Quality: Teddy  
Supplier: Bute Fabrics Ltd  
Batch No.: Not stated  
End Use: Upholstery  
Quoted Fibre Composition: 100% Wool  
Retailer: Not stated  
Sample Description: Cream coloured woven fabric with pile

| Test Method   | Pre Treatment | Requirement   | Result          |
|---|---------------|---|-----------------|
| BS 5852: Part 1: 1979,<br>Ignition source 0<br>(Cigarette)  | None          | Compliance with Schedule 4 Part 1<br>(The cigarette test) of The Furniture<br>and Furnishings (fire) (safety)<br>Regulations 1988 (as amended). | <b>Complies</b> |
| <b>Note:</b> 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,<br>Ignition source 1<br>(Match)  | None          | Compliance with Schedule 5 Part 1<br>(The match test) of The Furniture<br>and Furnishings (fire) (safety)<br>Regulations 1988 (as amended).     | <b>Complies</b> |



.....  
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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<sup>3</sup> / 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 burnt out within 23 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b> |
| Ignition source 0 (Test 2): | The cigarette burnt out within 24 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b> |
| Ignition source 1 (Test 1): | Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>        |
| Ignition source 1 (Test 2): | Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>        |

### 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.