

FLAMMABILITY TEST REPORT

Report No.: LEI20011371A **Date Received:** 13/01/20 **Date Tested:** 17/01/20 **Date Issued:** 17/01/20

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

Contact Name: SUZANNE MC GROARTY

Sample Details

Order No.: 3278
Description: Woven Fabric
Ref. / Style No.: CF 785
Colour: Brown
Quality: Ramshead
Supplier: Bute
Batch No.: Not stated
End Use: Upholstery
Quoted Fibre Composition: 85% Pure New Wool / 15% Nylon
Retailer: Not stated
Sample Description: Brown and black coloured woven fabric

| Test Method | Pre Treatment | Requirement | Result |
|---|--|--|--------------------------------|
| BS EN 1021-1: 2014 (Cigarette Test) | Watersoak as Annex D of BS EN 1021-1:2006 | As BS EN 1021-1: 2014 (Cigarette Test) | Non Ignition (PASS) |
| BS EN 1021-2:2014 (Match Flame Equivalent) | Watersoak as Annex D of BS EN 1021-1:2006 | As BS EN 1021-2:2014 (Match Flame Equivalent) | Non Ignition (PASS) |



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FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS EN 1021-1: 2014 (Cigarette test)
Ignition Source: Source 0: Filterless Cigarette
Side Tested: Face

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/m³ / Type B, 130N

Pre-treatment / Durability procedure

Watersoak as Annex D of BS EN 1021-1:2006

Conditioning

Prior to testing: At least 24 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%
At time of testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

Test Results

Cigarette Test

| Test number / position | 1 | 2 |
|---|---|---|
| Criterion of ignition | | |
| Smouldering Criteria | | |
| Unsafe escalating combustion (3.1a) | No | No |
| Test assembly consumed (3.1b) | No | No |
| Smoulders to extremities (3.1c) | No | No |
| Smoulders more than 1 hour (3.1d) | No | No |
| In final examination, presence of active smouldering (3.1e) | No | No |
| Occurrence of flames (3.2) | No | No |
| Comments | | |
| Flaming ceased | - | - |
| Sample glowing ceased | - | - |
| Smoke ceased | The cigarette failed to burn its complete length, there was no flaming or progressive smouldering | The cigarette failed to burn its complete length, there was no flaming or progressive smouldering |
| Result (Ignition / Non Ignition) | NI | NI |

"The above 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."

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS EN 1021-2: 2014 (Match Flame Equivalent)
Ignition Source: Source 1: Butane Gas flowing at 45ml/min
Side Tested: Face

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/m³ / Type B, 130N

Pre-treatment / Durability procedure

Watersoak as Annex D of BS EN 1021-2:2014

Conditioning

Prior to testing: At least 24 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%
At time of testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

Match flame equivalent

| Test number / position | 1 | 2 | 3 |
|---|------------|-----------|------------|
| Criterion of ignition | | | |
| Smouldering Criteria | | | |
| Unsafe escalating combustion (3.1a) | No | No | No |
| Test assembly consumed (3.1b) | No | No | No |
| Smoulders to extremities (3.1c) | No | No | No |
| Smoulders through thickness (3.1c) | No | No | No |
| Smoulders more than 1 hour (3.1d) | No | No | No |
| In final examination, presence of active smouldering (3.1e) | No | No | No |
| Flaming criteria | | | |
| Unsafe escalating combustion (3.2a) | No | No | No |
| Test assembly consumed (3.2b) | No | No | No |
| Flames to extremities (3.2c) | No | No | No |
| Flames through thickness (3.2c) | No | No | No |
| Flames longer than 120 s (3.2d) | No | No | No |
| Comments | | | |
| Flaming ceased | - | - | - |
| Glowing ceased | - | - | - |
| Smoke ceased | 11 Seconds | 8 Seconds | 10 Seconds |
| Result (Ignition / Non Ignition) | NI | NI | NI |

"The above 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."

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