

FLAMMABILITY TEST REPORT

Report No.: LEI19050230A **Date Received:** 01/05/19 **Date Tested:** 13/05/19 **1st Date Issued:** 13/05/19
Supplementary **Supplementary Issued:** 09/10/19

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

Contact Name: M A SPEIRS

Sample Details

Order No.: 3216
Description: Woven Fabric
Ref. / Style No.: CF1116
Colour: Red
Quality: Clan
Supplier: Bute Fabrics
Batch No.: Not stated
End Use: Upholstery
Quoted Fibre Composition: 68% Wool, 21% Polyamide, 11% Silk
Retailer: Not stated
Sample Description: Red and black coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoak as Annex E of BS 5852: 2006	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI/5 (PASS)

Note: The customer requested that RX36110 foam with an approximate density of 35 kg/m³ be used as the filling material



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(Technical & Operational
Excellence Manager)

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(Flammability Team Leader)

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(Flammability
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GREGORY JAMES
(Flammability Technician)

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Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Foam specification

Supplier / Grade: Carpenter / RX36110 (As requested by the customer)
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 34-36kg/m³ /105-115N

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then 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

"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";

Test number / position	1	2
Criterion of Ignition		
Smouldering Criteria		
Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition	No	No
Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Flaming Failure		
The test specimen continued to flame for more than 10 minutes after the ignition of the crib	No	No
Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction	No	No
Flaming essentially consumed the test specimen within the duration of the test	No	No
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No	No
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No	No
Final Examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No	No
Time to extinction of flames after crib ignition	5 Minutes 08 Seconds	5 Minutes 15 Seconds
Time to extinction of glowing after crib ignition	7 Minutes 58 Seconds	8 Minutes 20 Seconds
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased
Maximum extent of damage to back (mm) Length / Width	400 77	400 72
Maximum extent of damage to base (mm) Length / Width	63 96	60 83
Test Result	NI/5 (PASS)	NI/5 (PASS)
Ignitability performance index: "Clause 11 - NI/5"		

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Revisions To Test Report:

Sample Details	Original Detail(s)	Revised Detail(s)
Quoted Fibre Composition:	76% Wool, 21% Nylon, 3% Other	68% Wool, 21% Polyamide, 11% Silk

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