

FLAMMABILITY TEST REPORT

Report No.: LEHTX00524871 Date Received: 19/03/10 Date Tested: 25/03/10 Date Issued: 25/03/10

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

Contact Name: SUZANNE MCGROARTY

Sample Details

Order No.: 13469 / 2901
Customers description: Woven upholstery fabric
Style no.: Argyll
Quality: CF 727
Batch no.: Not stated
Supplier: Bute
End Use: Upholstery
Colour(s): Dark blue
Quoted fibre composition: 85% PNW / 15% Nylon
Fabric type: Woven
Sample description: Blue coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoaked as Annex E of BS 5852:2006	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI/5 (PASS)
The upholstery composite tested meets the flammability performance requirements for resistance to ignition as detailed in the Medium Hazard (Crib 5 only) category of Table 1 in Clause 4 of BS 7176: 2007.			

Note: The customer requested that RX36100 foam with an approximate density 35 kg/m³ be used as the filling material

Please note: To claim compliance with Clause 5 (Sampling and frequency of testing) of BS 7176: 2007 each upholstery composite shall be tested in accordance with the relevant tests identified in Table 1 for the appropriate hazard category every 2500 units produced or once per month. Retesting shall be carried out where there is any major basic alteration to a furniture specification (e.g. of fibre content, construction, flame-retardant finish or mass per unit area of fabric, density or type of filling or change of materials manufacturer). Changes in the colour (where the fabric was flame-retardant finished in the same batch) of the product or minor changes in the pattern or construction, e.g. of the order of 2 picks/cm, shall not be deemed sufficient reason to necessitate retesting.

STEVEN OWEN
(Chemical Technologist)

CAROLE SPOWART
(Flammability Technician)

ANDREW WHITE
(Quality Manager)

SIMON CHEE
(Analytical Lab Manager)

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Foam specification

Supplier / grade: Carpenter / RX36100 (As requested by the customer)
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 35-37kg/m³ / 95-115N

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";

Pass / Fail Criteria	Initial test	Repeat test
Progressive smouldering failure		
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	4 minutes 57 seconds	4 minutes 25 seconds
Time to extinction of glowing after crib ignition	6 minutes 2 seconds	6 minutes 38 seconds
Time to extinction of smoke after crib ignition	6 minutes 52 seconds	7 minutes 7 seconds
Maximum extent of damage to back (mm) Length / Width	400 60	400 85
Maximum extent of damage to base (mm) Length / Width	65 90	60 100
Test Result	PASS	PASS
Ignitability performance index: "Clause 11 NI/5"		