

FLAMMABILITY TEST REPORT

Report No.: LEI19082926A **Date Received:** 21/08/19 **Date Tested:** 28/08/19 **1st Date Issued:** 28/08/19
Supplementary **Supplementary Issued:** 03/03/20

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

Contact Name: M A SPEIRS

Sample Details

Order No.: 3238
 Description: Woven Fabric
 Ref. / Style No.: CF1133
 Colour: Green
 Quality: Micro Boucle
 Supplier: Bute Fabric
 Batch No.: Not stated
 End Use: Upholstery
 Quoted Fibre Composition: 68% Wool, 21% Nylon, 11% Silk
 Retailer: Not stated
 Sample Description: Green coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	None	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



.....
STEVEN OWEN
 (Technical & Operational
 Excellence Manager)

.....
ANDREW HALLETT
 (Flammability Team Leader)

.....
CAROLE SPOWART
 (Flammability
 Administrator)

.....
GREGORY JAMES
 (Flammability Technician)

FLAMMABILITY TEST REPORT

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 15 Seconds	4 Minutes 48 Seconds
Time to extinction of glowing after crib ignition	6 Minutes 26 Seconds	6 Minutes 02 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 80	400 80
Maximum extent of damage to base (mm) Length / Width	63 92	60 89
Test Result	NI/5 (PASS)	NI/5 (PASS)
Ignitability performance index: "Clause 11 - NI/5"		

FLAMMABILITY TEST REPORT

Revisions To Test Report:

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

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have [aimed](#) to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct.

Report No.: LEI19082926A **Supplementary** Page 3 of 3