

FLAMMABILITY TEST REPORT

Report No.: LEHTX00588629 Date Received: 11/07/11 Date Tested: 15/07/11 Date Issued: 15/07/11

Company Name & Address:

BUTE FABRICS LTD
4 BARONE ROAD
ROTHERSAY
ISLE OF BUTE
PA20 0DP

Contact Name:

SUZANNE MCGROARTY

Sample Details

Order no.: 134772 / 2920
Description: Woven fabric
Style no.: CF650 / 0146
Quality: T100
Batch no.: 21357 / 01
Supplier: Bute
Colour(s): Brown
End Use: Upholstery
Quoted Fibre composition: 92% Pure New Wool, 8% Nylon
Fabric type: Woven
Sample description: Brown coloured woven fabric

Test Method	Pre Treatment	Flammability performance requirements	Result
IMO Resolution A.652 (16) (Smouldering cigarette test)	None	IMO Resolution A.652 (16)	PASS
IMO Resolution A.652 (16) (Butane flame test)	None	IMO Resolution A.652 (16)	PASS

Please note: The fabric was tested over RX36100 foam as requested by the customer

STEVEN OWEN
(Chemical Technologist)

CAROLE SPOWART
(Flammability Technician)

ANDREW WHITE
(Quality Manager)

SIMON CHEE
(Analytical Lab Manager)



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Test Specification

Test method IMO Resolution A.652 (16)
 Criterion of ignition Ignition source 0: Calibrated Senior Service cigarette
 Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C
 Flame application time: 20±1 seconds
 Face

Filling Specification (As requested by the customer)

Filling type: Polyurethane foam
 Supplier / grade: Carpenter / RX36100 Combustion Modified
 Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
 Density / Hardness: 35-37kg/m³ / 95-115N

Pre-treatment / Durability procedure

None. Tested as received

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."

Smouldering cigarette test 1:	The cigarette burnt out within 22 minutes, there was no flaming or progressive smouldering. (Pass)
Smouldering cigarette test 2:	The cigarette burnt out within 23 minutes, there was no flaming or progressive smouldering. (Pass)
Butane flame test 1:	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
Butane flame test 2:	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)

Conclusions

When tested over RX36100 foam (as requested by the customer) the sample meets the flammability performance requirements of the smouldering cigarette test in IMO Resolution A.652 (16). **PASS.**
 When tested over RX36100 foam (as requested by the customer) the sample meets the flammability performance requirements of the butane flame test in IMO Resolution A.652 (16). **PASS.**

