

## FLAMMABILITY TEST REPORT

Report No.: LEHTX00588622      Date Received: 11/07/11      Date Tested: 15/07/11      Date Issued: 15/07/11

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

**Contact Name:** SUZANNE MCGROARTY

**Sample Details**

Order no.: 134772 / 2921  
Description: Woven fabric  
Style no.: CF66  
Quality: Clyde  
Batch no.: 22537 / 01  
Supplier: Bute  
Colour(s): Butterscotch  
End Use: Upholstery  
Quoted Fibre composition: 91% Pure New Wool, 9% Nylon  
Fabric type: Woven  
Sample description: Butterscotch 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)	<b>PASS</b>
IMO Resolution A.652 (16) (Butane flame test)	None	IMO Resolution A.652 (16)	<b>PASS</b>

**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  
Side tested: 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/m<sup>3</sup> / 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 23 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b>
Smouldering cigarette test 2:	The cigarette burnt out within 24 minutes, there was no flaming or progressive smouldering. <b>(Pass)</b>
Butane flame test 1:	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>
Butane flame test 2:	Flaming ceased with the removal of the burner, there was no progressive smouldering. <b>(Pass)</b>

### 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.**