

## FLAMMABILITY TEST REPORT

Report No.: LEHTX00588630      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 / 2922  
Description: Woven fabric  
Style no.: CF667 / 0808  
Quality: Elgin  
Batch no.: 23161 / 01  
Supplier: Bute  
Colour(s): Blue  
End Use: Upholstery  
Quoted Fibre composition: 92% Pure New Wool, 8% Nylon  
Fabric type: Woven  
Sample description: Blue 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)

## FLAMMABILITY TEST REPORT

### 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.**