



Textiles and Apparel Solutions Centre
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FLAMMABILITY TEST REPORT

Report No.: LEHTX00627055 Date Received: 26/04/12 Date Tested: 02/05/12 Date Issued: 02/05/12

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

Sample Details

Description: Woven Fabric
 Order No.: 135137 / 2945
 Style No.: CF 751 / 1534
 Batch No.: 22745 / 01
 Quality: Turnberry
 Colour: Green
 Supplier: Bute
 Intended Use: Upholstery
 Fibre composition: 92% Pure New Wool, 8% Nylon
 Sample description: Green 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 RX36110 foam as requested by the customer

S. Owen

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 / RX36110 Combustion Modified
 Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
 Density / Hardness: 35-37kg/m³ / 105-115N

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 18 minutes, there was no flaming or progressive smouldering. (Pass)
Smouldering cigarette test 2:	The cigarette burnt out within 19 minutes, there was no flaming or progressive smouldering. (Pass)
Butane flame test 1:	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. (Pass)
Butane flame test 2:	The cigarette failed to burn its complete length, there was no flaming or progressive smouldering. (Pass)

Conclusions

When tested over RX36110 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 RX36110 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.**

