

FLAMMABILITY TEST REPORT

Report No.: LEHTX00627056 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 / 12944
Style No.: CF 756 / 1414
Batch No.: 20598 / 02
Quality: Braemar
Colour: Orange
Supplier: Bute
Intended Use: Upholstery
Fibre composition: 100% Pure New Wool
Sample description: Yellow / orange 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



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(Chemical Technologist)

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(Flammability Technician)

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(Quality Manager)

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(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 21 minutes, there was no flaming or progressive smouldering. (Pass)
Smouldering cigarette test 2:	The cigarette burnt out within 22 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.**