

FLAMMABILITY TEST REPORT

Report No.: LEHTX00729399 **Date Received:** 17/02/14 **Date Tested:** 21/02/14 **Date Issued:** 21/02/14

Company Name & Address: BUTE FABRICS LTD
4 BARONE ROAD
ROTHESAY
ISLE OF BUTE
PA20 ODP

Contact Name: SUZANNE

Sample Details

Order No.: 135544 / 3018
Description: CF761
Ref/Style No.: Not stated
Colour: 4004
Quality: Esk
Supplier: Bute Fabrics Ltd
Batch No.: 25421 / 01
End Use: Upholstery
Quoted Fibre Composition: 95% Pure New Wool, 5% Nylon
Retailer: Not stated
Sample Description: Green coloured woven fabric

Test Method	Pre Treatment	Flammability Performance Requirements	Result
IMO FTP Code (2010) – Annex 1, Part 8 (Smouldering cigarette test)	None	IMO FTP Code (2010) – Annex 1, Part 8	PASS
IMO FTP Code (2010) – Annex 1, Part 8 (Butane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	PASS
Please note: The fabric was tested over RP21130 foam as requested by the customer			



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Test Specification

Test Method: IMO FTP Code (2010) – Annex 1, Part 8
Ignition Source: Ignition source 0: Calibrated Senior Service cigarette
Ignition source 1: Propane Gas (95% Purity) flowing at 6.38 ± 0.25 g/hour @ 20°C.
Flame Application Time: 20±1 seconds
Side Tested: Face

Cigarette Specification

Cigarette Type: Calibrated Senior Service cigarette
Dimensions: Length: 70 ± 4 mm
Diameter: 8 ± 0.5 mm
Mass: 0.95 ± 0.15 g
Smouldering Rate: 11 ± 4.0 min/50mm

Filling Specification (As requested by the customer)

Filling Type: Polyurethane Foam
Supplier / Grade: Carpenter / RP21130 unmodified
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 20-22 kg/m³ / Type B, 130

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 $23 \pm 2^\circ\text{C}$ and a relative humidity of $50 \pm 5\%$
At Time of Testing: Temperature between 15°C & 25°C . Relative humidity between 20% & 70%

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Test Results

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use."

Cigarette Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Occurrence Of Flames	No		No	
Comments				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	The cigarette failed to burn its complete length		The cigarette failed to burn its complete length	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	-	-	-	-
Damage to Base (mm) Length / Width	-	-	-	-
Result	PASS		PASS	

Propane Flame Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Flames For Longer Than 120 Seconds	No		No	
Comments				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	< 11 Seconds		< 13 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	65	12	65	14
Damage to Base (mm) Length / Width	10	12	8	8
Result	PASS		PASS	

Conclusions

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the smouldering cigarette test in IMO FTP Code (2010) – Annex 1, Part 8. **PASS.**

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the butane flame test in IMO FTP Code (2010) – Annex 1, Part 8. **PASS.**

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