

## FLAMMABILITY TEST REPORT

**Report No.:** LEI19050237A      **Date Received:** 01/05/19      **Date Tested:** 08/05/19      **Date Issued:** 08/05/19

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

**Contact Name:** M A SPEIRS

**Sample Details**

Order No.: 3218  
Description: Woven Fabric  
Ref. / Style No.: CF1118  
Colour: Red  
Quality: Mineral  
Supplier: Bute Fabrics  
Batch No.: Not stated  
End Use: Upholstery  
Quoted Fibre Composition: 76% Wool, 21% Nylon, 3% Other  
Retailer: Not stated  
Sample Description: Pink and black 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	<b>PASS</b>
IMO FTP Code (2010) – Annex 1, Part 8 (Propane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	<b>PASS</b>



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**Additional Information (Annex)**

Name and Address of the Sponsor: Not stated  
Name and Address of the Manufacturer/Supplier (If known): Bute Fabrics  
Type of Furniture: Not stated  
Fabric Details – Weave/Density/Yarn count/thickness(mm)/mass(g/m<sup>2</sup>) Colour & Tone: Red  
Fire Retardant Treatment: Not stated

**Test Specification**

Test Method: IMO FTP Code (2010) – Annex 1, Part 8  
Ignition Source: Ignition source 0: Filterless 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: Filterless 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**

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/m<sup>3</sup> / Type B, 130N

**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±2°C and a relative humidity of 50±5%  
At Time of Testing: Temperature between 15°C & 25°C. Relative humidity between 20% & 70%

**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	
<b>Criterion of Ignition</b>				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Occurrence Of Flames	No		No	
<b>Comments</b>				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	< 22 Minutes		< 23 Minutes	
<b>Extent of Damage (Burning and/or Charring)</b>				
Damage to Back (mm) Length / Width	13	63	13	60
Damage to Base (mm) Length / Width	13	62	12	60
<b>Result</b>	<b>PASS</b>		<b>PASS</b>	

Propane Flame Test	Initial		Repeat	
<b>Criterion of Ignition</b>				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Flames For Longer Than 120 Seconds	No		No	
<b>Comments</b>				
Flaming Ceased	0 Seconds		0 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	8 Seconds		10 Seconds	
<b>Extent of Damage (Burning and/or Charring)</b>				
Damage to Back (mm) Length / Width	70	19	80	18
Damage to Base (mm) Length / Width	14	15	15	17
<b>Result</b>	<b>PASS</b>		<b>PASS</b>	

**Conclusions**

When tested over a non-flame-retardant filling (RP21130) as suggested in Appendix 3 of the IMO FTP Code 2010 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 a non-flame-retardant filling (RP21130) as suggested in Appendix 3 of the IMO FTP Code 2010 the sample meets the flammability performance requirements of the propane flame test in IMO FTP Code (2010) – Annex 1, Part 8. **PASS.**

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