

## FLAMMABILITY TEST REPORT

**Report No.:** LEI19052460A    **Date Received:** 10/05/19    **Date Tested:** 17/05/19    **Date Issued:** 20/05/19

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

**Contact Name:** M A SPEIRS

**Sample Details**

Order No.: 3215  
Description: Woven Fabric  
Ref. / Style No.: CF1115  
Colour: Red  
Quality: Kin  
Supplier: Bute Fabrics  
Batch No.: Not stated  
End Use: Upholstery  
Quoted Fibre Composition: 76% Wool, 21% Nylon, 3% Other  
Retailer: Not stated  
Sample Description: Grey and cream 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>



ANDREW HALLETT  
(Flammability Team Leader)

STEVEN OWEN  
(Technical & Operational Excellence Manager)

CAROLE SPOWART  
(Flammability Administrator)

GREGORY JAMES  
(Flammability Technician)

**Additional Information (Annex)**

Name and Address of the Sponsor: Not stated  
Name and Address of the Manufacturer/Supplier (If known): Not stated  
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: Filterless cigarette  
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	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	-	-	-	-
<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	10 Seconds		11 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	80	18	80	18
Damage to Base (mm) Length / Width	15	14	14	15
<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.**

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct.