

FLAMMABILITY TEST REPORT

Report No.: LEI19050232A **Date Received:** 01/05/19 **Date Tested:** 08/05/19 **1st Date Issued:** 08/05/19
Supplementary **Supplementary Issued:** 09/10/19

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

Contact Name: M A SPEIRS

Sample Details

Order No.: 3216
Description: Woven Fabric
Ref. / Style No.: CF1116
Colour: Red
Quality: Clan
Supplier: Bute Fabrics
Batch No.: Not stated
End Use: Upholstery
Quoted Fibre Composition: 68% Wool, 21% Polyamide, 11% Silk
Retailer: Not stated
Sample Description: Red 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	PASS
IMO FTP Code (2010) – Annex 1, Part 8 (Propane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	PASS



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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 ²) 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 ³ / 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	
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	< 21 Minutes		< 22 Minutes	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	13	58	12	60
Damage to Base (mm) Length / Width	12	58	12	58
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	0 Seconds		2 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	7 Seconds		13 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	75	18	63	14
Damage to Base (mm) Length / Width	16	17	12	13
Result	PASS		PASS	

Conclusions

When tested over a non-flame-retardant filling (RP21 130) 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 (RP21 130) 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.**

Revisions To Test Report:

Sample Details	Original Detail(s)	Revised Detail(s)
Quoted Fibre Composition:	76% Wool, 21% Nylon, 3% Other	68% Wool, 21% Polyamide, 11% Silk

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