

FLAMMABILITY TEST REPORT

Report No.: LEI18112912A **Date Received:** 16/11/18 **Date Tested:** 22/11/18 **Date Issued:** 23/11/18

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

Contact Name: S MCGROARTY

Sample Details

Order No.: 136034 / 3191
Description: Woven Fabric
Ref. / Style No.: CF 1105
Colour: Beige
Quality: Magic
Supplier: Bute
Batch No.: Not stated
End Use: Upholstery / Curtains
Quoted Fibre Composition: 100% Pure New Wool
Retailer: Not stated
Sample Description: Beige 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):	Not stated
Type of Furniture:	IMO UPHOLSTERY
Fabric Details – Weave/Density/Yarn count/thickness(mm)/mass(g/m ²) Colour & Tone:	Beige
Fire Retardant Treatment:	No

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	< 23 Minutes		< 24 Minutes	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	13	58	15	60
Damage to Base (mm) Length / Width	14	58	15	60
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		0 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	8 Seconds		8 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	80	16	80	16
Damage to Base (mm) Length / Width	10	10	10	10
Result	PASS		PASS	

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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