

Maxwell Road, Stevenage
Hertfordshire
SG1 2EW, UK

T: +44(0) 1438 777 700
F: +44(0) 1438 777 800
E: info@fira.co.uk
W: www.fira.co.uk

Chieftain Fabrics

Trim

Co.Meath

Ireland

Our Ref: **TFFLF70900**

Date: 26 January 2017

Delivery Date: 16 January 2017

Test Dates: 17 – 25 January 2017

For the attention of Sinead Doyle

SAMPLE(S) FOR TEST :

One, Fabric – Ref: Lionella

Note: The above descriptions are as supplied by the client and have not been verified by FIRA who can take no responsibility for the accuracy of the description.

TEST REQUIREMENTS :

BS EN 1021-1: 2006 (smouldering cigarette)
BS EN 1021-2: 2006 (match flame equivalent)
BS 5852: 2006 Clause 11 Ignition Source 5

RESULT :

Pass
Pass
Pass

FIRA is a UKAS TESTING Laboratory No. 0174

Tests marked "Not UKAS Accredited" in this Report are not included in the UKAS Accreditation Schedule for our laboratory.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

This Report relates to the sample(s) submitted for test and no others. Additions, deletions or alterations are not permitted.

Test reports are given to the client in confidence, and may only be reproduced in whole or in part with written permission from FIRA International Limited. Note that the words "**tested by FIRA**" may be used in subsequent publicity for the product; "approved" must **not** be used.

Tests are carried out on the understanding that neither FIRA International Limited nor its officers can accept any legal responsibility for information or advice given or opinions expressed whether in response to specific enquiries or otherwise.

This Report is given subject to the Terms of Business of FIRA International Limited which are available at www.fira.co.uk/document/fira-terms-and-conditions.pdf

TECHNICAL REPORT

DESCRIPTION

Enquiry No: TFFLF70900

Item: One, Fabric – Ref: Lionella

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

TEST RESULTS

BS EN 1021-1: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 1 IGNITION SOURCE: SMOULDERING CIGARETTE

Initial Inspection: Condition as new

Conditioning: ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh

Test conditions: 22.4°C & 33% rh

Filling material: A combustion modified high resilience foam 35kg/m^3 Ref: CMHR35.

TEST RESULTS: SMOULDERING CIGARETTE	1st	2nd
Smouldering Criteria:		
Unsafe escalating combustion (3.1a)	NO	NO
Test assembly consumed (3.1b)	NO	NO
Smoulders to extremities (3.1c)	NO	NO
Smoulders through thickness (3.1c)	NO	NO
Smoulders more than 1 hour (3.1d)	NO	NO
More than 100mm's from source (3.1e)	NO	NO
Flaming Criteria:		
Flames occur (3.2)	NO	NO

CONCLUSION

This sample passes the requirements of BS EN 1021-1: 2006.

TECHNICAL REPORT

BS EN 1021-2: 2006: ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED FURNITURE PART 2 IGNITION SOURCE: MATCH FLAME EQUIVALENT

Item: One, Fabric – Ref: Lionella

Initial Inspection: Condition as new

Conditioning: ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh

Test conditions: 22.3°C & 32.1% rh

Filling material: A combustion modified high resilience foam 35kg/m^3 Ref: CMHR35.

TEST RESULTS: MATCH FLAME EQUIVALENT		1st	2nd	3rd
Smouldering Criteria:				
Unsafe escalating combustion (3.1a)		NO	NO	NO
Test assembly consumed (3.1b)		NO	NO	NO
Smoulders to extremities (3.1c)		NO	NO	NO
Smoulder through thickness (3.1c)		NO	NO	NO
Smoulders more than 1 hour (3.1d)		NO	NO	NO
More than 100mm from source (3.1e)		NO	NO	NO
Flaming Criteria:				
Unsafe escalating combustion (3.2a)		NO	NO	NO
Test assembly consumed (3.2b)		NO	NO	NO
Flames to extremities (3.2c)		NO	NO	NO
Flames through thickness (3.2c)		NO	NO	NO
Flames continues beyond 120secs (3.2d)		NO	NO	NO

CONCLUSION

This sample passes the requirements of BS EN 1021-2: 2006.

TECHNICAL REPORT

IGNITABILITY TEST ACCORDING TO BS 5852: 2006. METHODS OF TEST FOR ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED SEATING BY SMOULDERING AND FLAMING IGNITION SOURCES. CLAUSE 11 IGNITION SOURCE 5

Item: One, Fabric – Ref: Lionella

Conditioning: ≥ 3 days at indoor ambient conditions and ≥ 24 hours at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ rh

Initial Inspection: Condition as new

Test conditions: 20°C & 36.1% rh

Filling material: A combustion modified high resilience foam 35kg/m^3 Ref: CMHR35

Ignition Source		Ignition/ Non-Ignition	Duration of		
No.	Pos.		Ignition Source	Flames	Smoke/ Smoulder
5	1	PASS (N/I)	3min 00sec	3min 07sec	11min 14sec
	2	PASS (N/I)	2min 52sec	2min 52sec	11min 31sec

CONCLUSION

This fabric passes the requirements of BS 5852: 2006 Clause 11, Ignition source 5.

Tested by: Barry Worrell

Reported by: Deme-Daisy Clarke-Phipps

Approved by: Liz Morey
Technical Specialist

***** End of Report *****