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## Chieftain Fabrics

Trim

Co.Meath

Ireland

Our Ref: **TFFLF70899**

Date: 26 January 2017

Delivery Date: 16 January 2017

Test Dates: 17 – 26 January 2017

For the attention of Sinead Doyle

## SAMPLE(S) FOR TEST :

One, Fabric – Ref: Chieftain

*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

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# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF70899

Item: One, Fabric – Ref: Chieftain

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

Test conditions:  $20.7^\circ\text{C}$  &  $24.6\%$  rh

Filling material: A combustion modified high resilience foam  $35\text{kg/m}^3$  Ref: CMHR35.

<b>TEST RESULTS: SMOULDERING CIGARETTE</b>	<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>
<b>Smouldering Criteria:</b>		
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
<b>Flaming Criteria:</b>		
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: Chieftain

Initial Inspection: Condition as new

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

Test conditions:  $20.6^\circ\text{C}$  &  $24.8\%$  rh

Filling material: A combustion modified high resilience foam  $35\text{kg/m}^3$  Ref: CMHR35.

TEST RESULTS: MATCH FLAME EQUIVALENT		1st	2nd	3rd
<b>Smouldering Criteria:</b>				
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
<b>Flaming Criteria:</b>				
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: Chieftain

Conditioning: ≥3 days at indoor ambient conditions and ≥24 hours at 23±2°C & 50±5% rh

Initial Inspection: Condition as new

Test conditions: 19°C & 28.2% rh

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

Ignition Source		Ignition/ Non-Ignition	Duration of		
No.	Pos.		Ignition Source	Flames	Smoke/ Smoulder
5	1	PASS (N/I)	2min 58sec	4min 23sec	11min 53sec
	2	PASS (N/I)	2min 57sec	3min 51sec	10min 25sec

### CONCLUSION

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

Tested by: Barry Worrell

Reported by: Terrie Willbourn

Approved by: Liz Morey  
Technical Specialist

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