

Maxwell Road  
Stevenage  
Hertfordshire  
SG1 2EW

T: +44(0) 1438 777 700  
info@fira.co.uk

www.fira.co.uk

Our Ref: **TFFLF90385**

Date: 12 December 2019

Delivery Date: 06 December 2019

Test Dates: 09 - 11 December 2019

## SAMPLE(S) FOR TEST:

One, Fabric – Ref: Casa

*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 - P 0  
Pass - P 1  
Pass - P 5

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 <https://www.fira.co.uk/images/FIRA-International-Limited-Standard-Terms-of-Business-2018.pdf>



0174

TFFLF 90385  
Page 1 of 4

FIRA International  
Registered office: 10 Lower Grosvenor Place,  
London, UK, SW1W 0EN  
Registered in England No: 3181481

# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF90385

Item: One, Fabric – Ref: Casa

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.

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

**Initial Inspection:** Condition as new.

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

**Test Procedure:** The test is carried out in accordance with BS EN 1021-1 & 2:2006 using a specified rig as defined in Clause 6.1 in the above regulations.

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

**Test Conditions:** The test was conducted within the specified conditions of 10-30°C & 15-80% rh.

## **RESULTS**

Application No.	Ignition Source	Smoke/ Smoulder	Result Ignition/ Non-Ignition
1	0	29min 03sec	PASS N/I
2	0	17min 28sec	PASS N/I

## **COMMENTS**

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.1a	Unsafe escalating combustion	NO - PASS N/I
3.1b	Test assembly consumed	NO - PASS N/I
3.1c	Smoulders to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.1d	Smoulders more than 1 hour	NO - PASS N/I
3.1e	Damage >100mm's from source	NO - PASS N/I
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.2	Flaming occurs	NO - PASS N/I

## **CONCLUSION**

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



0174

TFFLF 90385  
Page 2 of 4

**firainternational**  
Proud to be part of ensense

# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. TFFLF90385

Item: One, Fabric – Ref: Casa

*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.*

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

Initial Inspection: Condition as new.

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

Test Procedure: Test is carried out in accordance with BS EN 1021-2 & 2:2006 using a specified rig as defined in clause 6.1 in the above regulations.

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

Test Conditions: The test was conducted within the specified conditions of 10-30°C & 15-80% rh.

## RESULTS

Application No.	Ignition Source	Time of Application	Flames Following Removal of Source	Result Ignition/ Non-Ignition
1	1	15sec	0min 00sec	PASS N/I
2	1	15sec	0min 00sec	PASS N/I
3	1	15sec	0min 00sec	PASS N/I

## COMMENTS

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.1a	Unsafe escalating combustion	NO - PASS N/I
3.1b	Test assembly consumed	NO - PASS N/I
3.1c	Smoulders to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.1d	Smoulders more than 1 hour	NO - PASS N/I
3.1e	Damage >100mm's from source	NO - PASS N/I
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
3.2a	Unsafe escalating combustion	NO - PASS N/I
3.2b	Test assembly consumed	NO - PASS N/I
3.2c	Flames to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
3.2d	Flames continue beyond 120seconds	NO - PASS N/I

## CONCLUSION

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



0174

TFFLF 90385  
Page 3 of 4

**firainternational**  
Proud to be part of enrment

# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. TFFLF90385

Item: One, Fabric – Ref: Casa

## 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

Initial Inspection: Condition as new.

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

Test Procedure: Test is carried out in accordance with BS 5852: 2006 Clause 11 - ignitability of upholstery composites. Assembly of the materials to be tested mounted on a test rig specified in Clause 7.1 of the above regulations.

Filling Material: Choose

Test Conditions: The test was conducted within the specified conditions of  $10\text{-}30^\circ\text{C}$  &  $15\text{-}80\%$  rh.

## RESULTS

Application No.	Ignition Source	Flaming of Assembly	Smoke/Smoulder	Result - Ignition/Non-Ignition
1	5	04min 25sec	10min 00sec	PASS N/I
2	5	03min 45sec	10min 00sec	PASS N/I

## COMMENTS

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
4.1a	Unsafe escalating smouldering	NO - PASS N/I
4.1c	Smoulders to extremities/ reaches either side or through full thickness of sample/ smouldering consuming the sample	NO - PASS N/I
4.1e	Smoulders $>60$ mins from application of source	NO - PASS N/I
4.1f	Damage $>100\text{mm}$ 's from source, in any direction (other than upward)	NO - PASS N/I
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
4.2a	Unsafe escalating combustion	NO - PASS N/I
4.2b	Test assembly consumed	NO - PASS N/I
4.2c	Flames to extremities/ reaches either side or through full thickness of sample	NO - PASS N/I
4.2e	Flames $>10\text{min}$ from application of source	NO - PASS N/I

## CONCLUSION

This sample passes the requirements of BS 5852: 2006 Clause 11 Ignition Source 5.

Tested by: Vanessa Mitchell

Reported by: Barry Worrell

Approved by: Stephen Cotton  
Technical Specialist - Flammability



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



0174

TFFLF 90385  
Page 4 of 4

fira international  
Proud to be part of 