

Maxwell Road  
Stevenage  
Hertfordshire  
SG1 2EW

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

www.fira.co.uk

**Textile Mania PL**

560 Swan Street  
Richmond Vic 3121  
Australia

Our Ref: **TFFLF 92872**

Date: 27 July 2020

Delivery Date: 25 June 2020

Test Dates: 29 June 2020 - 23 July 2020

For the attention of Jim Frame

**SAMPLE(S) FOR TEST:**

One, Fabric – Ref: Epic

*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  
Fail - F 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>



# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF92872

Item: One, Fabric – Ref: Epic

Supplied by: Textile Mania PL

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/m3 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	17min 29sec	PASS N/I
2	0	17min 53sec	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



# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. TFFLF92872

Item: One, Fabric – Ref: Epic

Supplied by: Textile Mania PL

*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/m3 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



# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. TFFLF92872

Item: One, Fabric – Ref: Epic

Supplied by: Textile Mania PL

## 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:** ≥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 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:** 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	Flaming of Assembly	Smoke/Smoulder	Result - Ignition/Non-Ignition
1	5	4min 31sec	10min 00sec	FAIL I
2	5	N/T	N/T	N/A

## COMMENTS

CLAUSE	SMOULDERING FAILURE CRITERIA	IGNITION/ NON-IGNITION
4.1a	Unsafe escalating smouldering	N/A
4.1c	Smoulders to extremities/ reaches either side or through full thickness of sample/ smouldering consuming the sample	N/A
4.1e	Smoulders >60mins from application of source	N/A
4.1f	Damage >100mm's from source, in any direction (other than upward)	N/A
CLAUSE	FLAMING FAILURE CRITERIA	IGNITION/ NON-IGNITION
4.2a	Unsafe escalating combustion	N/A
4.2b	Test assembly consumed	N/A
4.2c	Flames to extremities/ reaches either side or through full thickness of sample	YES - FAIL I
4.2e	Flames >10min from application of source	N/A

## CONCLUSION

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

Tested by: Vanessa Mitchell  
Reported by: Luis Mitchell  
Approved by: Nathaly Da Silva  
Senior Technician - Upholstery

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

