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## Textile Mania PL

560 Swan Street  
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Our Ref: **TFFLF 94546**

Date: 26 October 2020

Delivery Date: 12 October 2020

Test Dates: 14 October 2020 - 23 October 2020

For the attention of Matt Welsh

## SAMPLE(S) FOR TEST:

One, Fabric – Ref: Compass

*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

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# TECHNICAL REPORT

## DESCRIPTION

Enquiry No: TFFLF94546  
Item: One, Fabric – Ref: Compass  
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/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	13min 54sec	PASS N/I
2	0	14min 26sec	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. TFFLF94546

Item: One, Fabric – Ref: Compass

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. TFFLF94546

Item: One, Fabric – Ref: Compass

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/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	Flaming of Assembly	Smoke/Smoulder	Result - Ignition/Non-Ignition
1	5	3min 23sec	EXT	FAIL I
2	N/A	N/A	N/A	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: Stephen Cotton  
Technical Specialist - Flammability

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

