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Textile Mania PL

560 Swan Street
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Our Ref: **TFFLF94553**

Date: 27 October 2020

Delivery Date: 12 October 2020

Test Dates: 14 October 2020 - 26 October 2020

For the attention of Matt Welsh

SAMPLE(S) FOR TEST:

One, Fabric – Ref: Relativity

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: TFFLF94553
Item: One, Fabric – Ref: Relativity
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	11min 08sec	PASS N/I
2	0	22min 42sec	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. TFFLF94553

Item: One, Fabric – Ref: Relativity

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. TFFLF94553

Item: One, Fabric – Ref: Relativity

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	6min 49sec	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 *****

