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Knightsbridge Furniture

Productions Ltd
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Our Ref: **FL-15579-S1**

Date: 15/06/2021

Delivery Date: 19/05/2021

Test Dates: 21 May- 14 June 2021

For the attention of Anthony Sullivan

SAMPLE(S) FOR TEST:

One, Chair Sample Ref: Rotationally Moulded Chair

Note: The above descriptions are as supplied by the client and have not been verified by FIRA International who can take no responsibility for the accuracy of the description.

TEST REQUIREMENTS:

Test Based on BS 5852: 2006, Clause 12 Ignition Source 0
Test Based on BS 5852: 2006, Clause 12 Ignition Source 1
Test Based on BS 5852: 2006, Clause 12 Ignition Source 5

RESULT:

Pass - P0
Pass - P1
Pass - P5

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FIRA International
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TECHNICAL REPORT

DESCRIPTION

Enquiry No. FL -15579-S1

Item: One, Chair Sample Ref: Rotationally Moulded Chair

Supplied by: **Knightsbridge Furniture**

The following test results relate only to the ignitability of the complete item (BS 5852: 2006 Clause 12) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

BS 5852: 2006 – METHODS OF THE TEST FOR ASSESSMENT OF THE IGNITABILITY OF UPHOLSTERED SEATING BY SMOULDERING AND FLAMING IGNITION SOURCES. CLAUSE 12

Initial Inspection: Condition as new

Conditioning: ≥3 days at indoor ambient conditions and ≥24 hours at 20±5°C & 50±20% rh

Test procedure: As specified in Clause 12 of BS 5852: 2006

Test conditions: The test was performed with the stipulated conditions 10°-30°c and 15%-80% relative humidity

RESULTS

Position of ignition source	Source No.	App.	Flames following removal of source	Smoke/Smoulder	Ignition/Non-ignition
Front Left Seat Right S+B Junction	0	1	n/a	14min 21sec	PASS (N/I)
		2	n/a	15min 07sec	PASS (N/I)
Left S+B Junction Front Right Seat	1	1	00min 00sec	00min 03sec	PASS (N/I)
		2	00min 00sec	00min 03sec	PASS (N/I)
Bottom Front Left Bottom Right Side	1	3	00min 00sec	00min 06sec	PASS (N/I)
		4	00min 00sec	00min 06sec	PASS (N/I)
S+B Junction Middle Front Seat Middle	5	3	04min 31sec	18min 24sec	PASS (N/I)
		4	03min 57sec	10min 00sec	PASS (N/I)
Bottom Front Bottom Left Side	5	3	3min 17sec	10min 00sec	PASS (N/I)
		4	4min 58sec	10min 00sec	PASS (N/I)

COMMENTS

CLAUSE	SMOULDER FAIL CRITERIA	RESULT IGNITION/NON IGNITION
4.1.2a	Unsafe escalating combustion	PASS (N/I)
4.1.2a	Ignition Source 0 - Externally detectable smoke, heat or glowing between the extinction of the source and the 60 min time limit	PASS (N/I)
4.1.2a	Ignition Source 1 - Smoke/ smoulder ≥15min from application of ignition source	PASS (N/I)
4.1.2a	Ignition Source 5 Smoke/ smoulder ≥60min from application of ignition source	PASS (N/I)
4.1.2a	Charring/ other than discolouration extending more than 100mm, other than upwards from position of the crib	PASS (N/I)
4.1.2b	Test assembly essentially consumed or smoulders to extremities	PASS (N/I)
CLAUSE	FLAMING FAIL CRITERIA	RESULT IGNITION/NON IGNITION
4.2.2a	Ignition Sources 1, 5 - Unsafe escalating combustion	PASS (N/I)
4.2.2a	Ignition Sources 1, 5 - Test assembly consumed	PASS (N/I)
4.2.2b	Ignition Sources 1, 5 - Flame front reaches the extremities other than the top of the vertical part	PASS (N/I)
4.2.2a	Ignition Source 1 - Flaming >2min from removal of Ignition source	PASS (N/I)
4.2.2a	Ignition Source 5 - Flaming >10min from ignition of crib	PASS (N/I)
4.2.2c	Ignition Source 0 - Flaming Occurs	PASS (N/I)



TECHNICAL REPORT

CONCLUSION

This sample passes the requirements of BS 5852: 2006 Clause 12, Ignition source 0,1 & 5.

Tested by: Vanessa Mitchell

Reported by: Luis Mitchell

Approved by: Stephen Cotton
Technical Specialist - Flammability

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

