

TECHNICAL REPORT



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Our Ref: **TFFLF74006**
Date: 03 July 2017
Delivery Date: 20 June 2017
Test Dates: 21 – 29 June 2017

SAMPLE(S) FOR TEST:

One, Composite sample Ref: Wolin 7050 FR (Impregnated), 75% wool, 20% polyester, 5% polyamide

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 5852: 2006, Clause 11 Ignition Source 5

RESULT:

Pass - P 5

The material was subjected to the watersoak procedure as detailed in Annex E of BS 5852: 2006 and allowed to dry at indoor ambient room temperature for a minimum of 48 hours.

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FIRA International Ltd
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Registered in England No: 3181481

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DESCRIPTION

Enquiry No. TFFLF74006

Item: One, Composite sample Ref: Wolin 7050 FR (Impregnated), 75% wool, 20% polyester, 5% polyamide

Supplied By: **Banelli S.R.L**

Initial Inspection: Condition as new

Conditioning: ≥ 3 days at indoor ambient conditions and ≥ 24 hours at $20 \pm 5^\circ\text{C}$ & $50 \pm 20\%$ rh

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.

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

Filling material: A combustion modified high resilience foam 35kg/m^3 Ref: CMHR35

CLAUSE 11 IGNITION SOURCE 5

Source No.	App.	Flames	Smoke/Smoulder	Ignition/Non-ignition
5	1	4min 15sec	12min 04sec	PASS N/I
	2	4min 08sec	12min 00sec	PASS N/I

Test conditions: 20.0°C & 58.4% rh

OBSERVATIONS

CLAUSE	SMOULDERING FAIL CRITERIA	Y/N	RESULT IGNITION/ NON IGNITION
4.1			
4.1.1a	Unsafe escalating smouldering	NO	PASS (N/I)
4.1.1c	Smoulders to extremities i.e. reaches earthier side or by way if either fully consuming/ the test specimen or smouldering through the full thickness	NO	PASS (N/I)
4.1.1e	Smouldering continued for >60 mins from application of ignition source	NO	PASS (N/I)
4.1.1f	Final examination showed evidence of charring within the filling $>100\text{mm}$ in a horizontal direction from original position of ignition source	NO	PASS (N/I)
CLAUSE	FLAMING FAIL CRITERIA	Y/N	RESULT IGNITION/ NON IGNITION
4.2.1			
4.2.1a	Unsafe escalating combustion	NO	PASS (N/I)
4.2.1b	Test specimen consumed during duration of the test	NO	PASS (N/I)
4.2.1bc	Flames reach the extremities by way of penetrating the full thickness of the sample	NO	PASS (N/I)
4.2.1e	Flames $>10\text{min}$ from application of ignition source	NO	PASS (N/I)



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CONCLUSION

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

Tested by: Barry Worrell
Reported by: Nathaly Da Silva
Approved by: Stephen Cotton
Technical Specialist - Flammability



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

