

TEST REPORT No. : SDFTS25000564R01_EN Date: Feb 05,2025 Page: 1 of 4

DONGGUAN LIXIN SPONGE PRODUCTS CO., LTD.

GUANGDONG PROVINCE DONGGUAN CITY QISHI ZHENDONG XI'ANROAD

Sample Description : SPONGE

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

SGS Ref. No. : SZIN2501000239PL02

Sample Receiving Date : Jan 22,2025

Testing Period : Jan 22,2025 to Feb 05,2025

Test Required : Schedule 1 Part I of Furniture and Furnishings (Fire) (Safety) Regulations 1988
With Amendments In 1989, 1993 and 2010 of United Kingdom

Test result(s) : See attached sheet

Conclusion : PASS

Signed for and on behalf of
SGS-CSTC STANDARDS TECHNICAL SERVICES SHUNDE BRANCH



Daniel Guan
Approved signatory

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Test Conducted:

The Test, Specified in Schedule 1 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations, is based on BS 5852: Part 2: 1982.

To assess the ignitability of polyurethane foam in slab used in upholstered components when subjected to ignition **source 5.**

General Information:

Materials	Foam	Density	Approximately 28.6 kg/m ³
Specified Thickness of Specimen	(75±2) mm	Actual Thickness of Specimen	76 mm

Precondition	Indoor Ambient Condition		72 h
Conditioning of Test Specimen and Ignition Source(s)	Temperature: (23±2) °C; Relative Humidity: (50±5) % Duration: 24 h;		
Testing Enclosure (fume cupboard / room)	19.8 °C	RH 49 %	---

Test Results:

The following test results relate only to the ignitability of the combination of materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Test Criteria	Results	
	1 st test	2 nd test
(A) Progressive smouldering (Clause 4.1 of BS 5852: Part 2: 1982)		
4.1 b) Any composite that product externally detectable amounts of smoke, heat or glow 60 min after ignition of the crib.	NO	NO
4.1 c) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	NO	NO
4.1 d) Any composite that smoulders until it is essentially consumed within the test duration relevant to the source	NO	NO
4.1 e) Any composite that smoulders to the extremities of the specimen viz upper or lower margins, either side or to its full thickness, within the duration of the test.	NO	NO
4.1 f) Any composite that, on the final examination, shows evidence of charring other than discolouration, more than 100 mm in any direction apart from upwards from the nearest part of the original position of the source.	NO	NO



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Test Criteria	Results	
	1 st test	2 nd test
(B) Flaming (Clause 4.2 of BS 5852: Part 2 :1982)		
4.2 b) Any composite that continues to flame for more than 10 minutes after the ignition of the crib.	NO	NO
4.2 d) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	NO	NO
4.2 e) Any composite that burns until it is essentially consumed within the test duration relevant to the source.	NO	NO
4.2 f) Any composite on which any flame front reaches the lower margin, either side or passes through the full thickness of the specimen within the duration of the test.	NO	NO
(C) Mass Loss (Clause 5 in Schedule 1 Part1 of UK Regulations)		
If failure against the criteria of clause 4 of BS 5852:Part 2 has occurred but only by way of damage exceeding the limits defined in clause 4.1(e), 4.1(f) and 4.2(f) and provided that the resultant mass loss is less than 60g the foam passes the ignitability test.	28 g	33 g

Test Details:

The cover materials for this test were 100 percent flame retardant polyester fibres specified in Schedule 1, Part I of the Regulations.

Test No.		1 st	2 nd
Duration of	Ignition source (min, sec)	02min53s	02min46s
	Flames (min, sec)	03min47s	03min22s
	Smoke (min, sec)	08min53s	08min41s
Extent of damage of horizontal component	Foam - Width (mm)	137	141
	Foam - Length (mm)	152	146
	Foam - Depth (mm)	64	58
Extent of damage of vertical component	Foam - Length (mm)	158	162
	Foam - Depth (mm)	42	37
The initial mass of the sample composite (g)		7526	7529
The final mass of sample composite(g)		7498	7496
The final mass loss of the composite(g)		28	33

Conclusion: PASS



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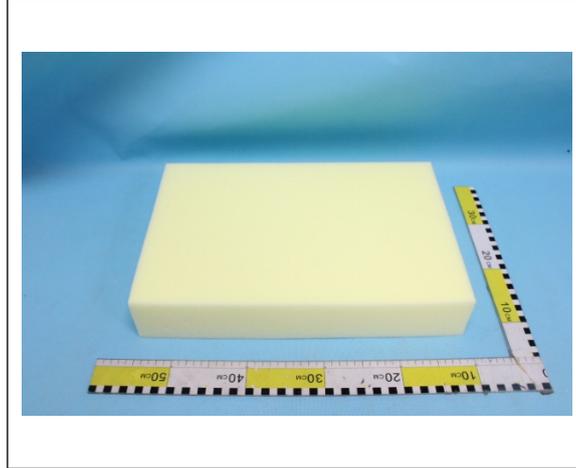
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Photo Appendix:



End of Report



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