GUANGDONG LIQUN NEW MATERIALS CO., LTD.
BUILDING A AND C, NO.1, HUABAO 2ND ROAD, XINHUAXI VILLAGE,
LONGJIANG TOWN, SHUNDE DISTRICT, FOSHAN, GUANGDONG

Sample Description : NT 3040

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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SGS Ref No. : SDFTS25002160R01_EN

Sample Receiving Date : Apr 14, 2025

Test Performing Date : Apr 14, 2025 to Apr 21, 2025

Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Schedule 1 Part Ⅰ of Furniture and Furnishings (Fire) (Safety) Regulations 1988 With Amendments In 1989, 1993 and 2010 of United Kingdom	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Marco Leung

Marco Leung
Authorized 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 32.3 kg/m^3
Specified Thickness of Specimen	(75±2) mm	Actual Thickness of Specimen	74 mm

Precondition	Indoor Ambient Condition		72 h
Conditioning of Test Specimen and Ignition Source(s)	Temperature:（23±2）℃;Relative Humidity: （50±5）% Duration:24 h;		
Testing Enclosure (fume cupboard / room)	23.5 ℃	RH 58 %	---

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	
	1st test	2nd 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	
	1st test	2nd 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.	35 g	29 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.		1st	2nd
Duration of	Ignition source (min, sec)	02min51s	02min46s
	Flames (min, sec)	03min17s	03min24s
	Smoke (min, sec)	08min32s	08min53s
Extent of damage of horizontal component	Foam - Width (mm)	105	103
	Foam - Length (mm)	181	176
	Foam - Depth (mm)	52	51
Extent of damage of vertical component	Foam - Length (mm)	197	193
	Foam - Depth (mm)	56	52
The initial mass of the sample composite (g)		7568	7572
The final mass of sample composite(g)		7533	7543
The final mass loss of the composite(g)		35	29

Conclusion: **PASS**

检验检测专用章 Inspection & Testing Services

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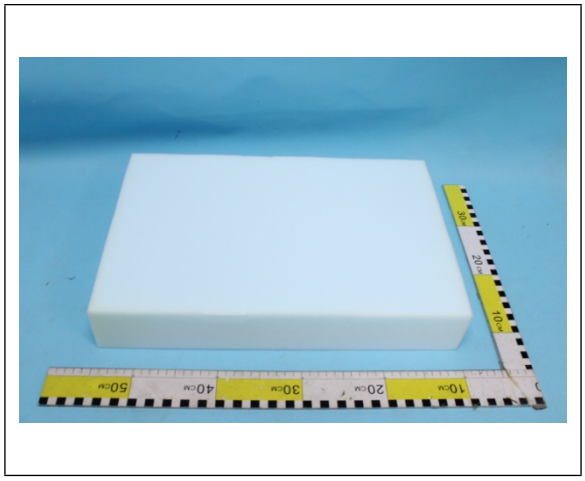
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Photo Appendix:



End of Report

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