

## 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

Scan to see the report



SDFTS25000564R01  
Verification:  
check.sgsonline.com.cn



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Shunde Branch  
Shunde Branch

1-2F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300  
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgs.com.cn  
t (86-757) 22805888 sgs.china@sgs.com

**TEST REPORT** No. : SDFTS25000564R01\_EN Date: Feb 05,2025 Page: 2 of 4

**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 <sup>3</sup> |
| 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 <sup>st</sup> test | 2 <sup>nd</sup> test |
| <b>(A) Progressive smouldering</b> (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                   |



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shunde Branch

1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300  
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号楼首层、二层 邮编: 528300

t (86-757) 22805888 www.sgsgroup.com.cn  
t (86-757) 22805888 sgs.china@sgs.com

| Test Criteria   | Results              |                      |
|---|----------------------|----------------------|
|   | 1 <sup>st</sup> test | 2 <sup>nd</sup> test |
| <b>(B) Flaming</b> (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                   |
| <b>(C) Mass Loss</b> (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 <sup>st</sup> | 2 <sup>nd</sup> |
|--|----------------------------|-----------------|-----------------|
| 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**



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

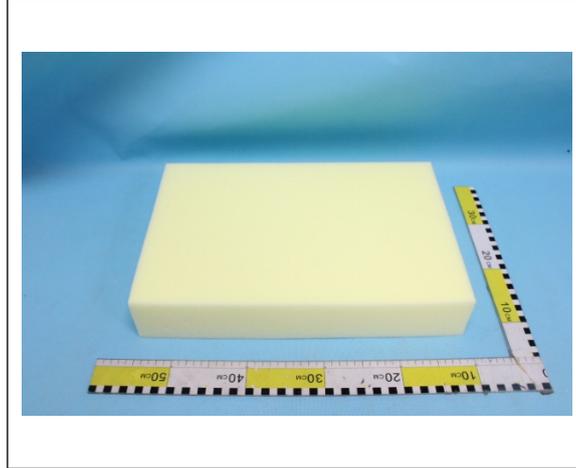
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CS Standards Technical Services (China) Ltd.  
Shunde Branch

1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300  
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgs.com.cn  
t (86-757) 22805888 sgs.china@sgs.com

**Photo Appendix:**



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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services (China) Ltd.  
Shunde Branch

1-2F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300  
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgs.com.cn  
t (86-757) 22805888 sgs.china@sgs.com