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.

**********

SGS Ref No. : SDFTS25000474R01_EN

Sample Receiving Date : Jan 17, 2025

Test Performing Date : Jan 17, 2025 to Jan 24, 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 34.0 kg/m$^3$ |
|---|---|---|---|
| Specified Thickness of Specimen | (75±2) mm | Actual Thickness of Specimen | 75 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) | 21.2 ℃ | RH 51 % | --- |

**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. | 28 g | 31 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.

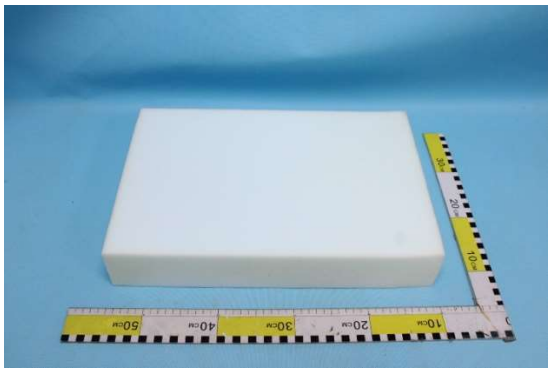
| Test No. | | 1st | 2nd |
|---|---|---|---|
| Duration of | Ignition source (min, sec) | 02min53s | 02min46s |
| | Flames (min, sec) | 03min44s | 03min21s |
| | Smoke (min, sec) | 08min38s | 08min13s |
| Extent of damage of horizontal component | Foam - Width (mm) | 132 | 138 |
| | Foam - Length (mm) | 146 | 152 |
| | Foam - Depth (mm) | 58 | 53 |
| Extent of damage of vertical component | Foam - Length (mm) | 152 | 161 |
| | Foam - Depth (mm) | 31 | 39 |
| The initial mass of the sample composite (g) | | 7620 | 7617 |
| The final mass of sample composite(g) | | 7592 | 7586 |
| The final mass loss of the composite(g) | | 28 | 31 |

**Conclusion:** **PASS**

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**Photo Appendix:**



***End of Report***

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