



Test Report

No.SDHL2308014321FT

Date: Aug 22, 2023

Page 1 of 4

XIAMEN KEEP-TOP IMP.& EXP.CO.,LTD
19 FLOOR, ZHENXING BUILDING, NORTH HUBIN ROAD, XIAMEN,CHINA

Table with 6 columns: Supplier Code, Supplier Name, PO No., Product Name, Product Code, Supplier Product Code. Row 1: /, XIAMEN KEEP TOP IMP. AND EXP. CO.,LTD., /, /, /, /

Sample Description : FOAM
Style/Item name : FOAM
Style/Item No. : /
Fabric Weight : /
Buyer : /
Destination : UK
Batch Number : /

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. : SDFS2308004706FF
Sample Receiving Date : Aug 14, 2023
Testing Period : Aug 14, 2023 to Aug 21, 2023
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details please refer to the following page(s).

Table with 3 columns: Requirement, Conclusion, Remarks. Row 1: Schedule 1 Part I of Furniture and Furnishings (Fire) (Safety) Regulations 1988 With Amendments In 1989, 1993 and 2010 of United Kingdom, PASS, /

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

Handwritten signature: 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 27.5 kg/m ³
Specified Thickness of Specimen	(75±2) mm	Actual Thickness of Specimen	77 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)	27.9 °C	RH 55 %	---

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.	YES	YES
(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.	30 g	34 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)	02min44s	02min45s
	Flames (min, sec)	03min22s	03min41s
	Smoke (min, sec)	07min58s	08min29s
Extent of damage of horizontal component	Foam - Width (mm)	107	110
	Foam - Length (mm)	148	153
	Foam - Depth (mm)	Full thickness	Full thickness
Extent of damage of vertical component	Foam - Length (mm)	113	117
	Foam - Depth (mm)	54	56
The initial mass of the sample composite (g)		7466	7482
The final mass of sample composite(g)		7436	7448
The final mass loss of the composite(g)		30	34

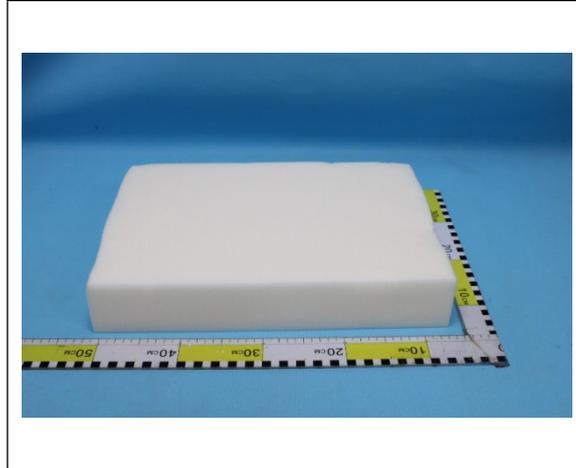
Conclusion: PASS

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Photo Appendix:



End of Report



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