

**NINGBOYOUHAODIANZISHANGWUYOUXIANGONGSI**

ZHEJIANGSHENGNINGBOSHIHAISHUQUXINXINGLU533HAO (9-23)

**Sample Description** : SOFA SPONGE**Style/Item No.** : UASFX002BK

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.

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**SGS Ref. No.** : AJHL2505002744FT**Sample Receiving Date** : Jul 08,2025**Testing Period** : Jul 08,2025 to Jun 15,2025**Test Required** : The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (amended 1989, 1993 and 2010), Schedule 1 Part I Ignitability test for foam in slab or cushion form.

As specified in above standard(s) and incorporated with using ignition source 5 of BS 5852 Part 2:1982.

**Test result(s)** : See attached sheet**Conclusion** : The tested sample **fails to meet** the requirements of Schedule 1 Part I in Statutory Instrument 1988 No. 1324 (Amended 1989, 1993 and 2010) the Furniture and Furnishings (Fire) (Safety) Regulations.

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



Eva Zhang  
Approved signatory



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**Test Conducted**

The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 (amended 1989,1993 and 2010), Schedule 1 Part I Ignitability test for foam in slab or cushion form.

Crib 5 test (Ignition Source 5) of BS 5852 Part 2:1982.

**Conditioning**

The cribs and specimens were conditioned for 72 h in indoor ambient conditions and then immediately before the test for at least 16 h in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%.

At time of testing: Temperature between 15°C ~ 30°C and Relative humidity between 20% ~ 70%.

**Test Result**

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 in use.

**(A) Progressive smouldering**

Criteria of failure (Clause 4.1 of BS 5852 Part 2:1982)	1 <sup>st</sup>	2 <sup>nd</sup>
4.1 b) Any composite that product externally detectable amounts of smoke, heat or glow 60 min after ignition of the crib.	NA	NC
4.1 c) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	NA	NC
4.1 d) Any composite that smoulders until it is essentially consumed within the test duration relevant to the source.	NA	NC
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.	NA	NC
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.	NA	NC

**(B) Flaming**

Criteria of failure (Clause 4.2 of BS 5852 Part 2:1982)	1 <sup>st</sup>	2 <sup>nd</sup>
4.2 b) Any composite that continues to flame for more than 10 minutes after the ignition of the crib.	NA	NC
4.2 d) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	Yes	NC
4.2 e) Any composite that burns until it is essentially consumed within the test duration relevant to the source.	NA	NC
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	NC



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(C) Mass Loss

Criteria (Clause 5 in Schedule 1 of UK Regulations)	1 <sup>st</sup>	2 <sup>nd</sup>
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.	NA	NC

**Detailed Results**

Test No.	1 <sup>st</sup>	2 <sup>nd</sup>	
Progressive smouldering (PS) or Flaming (F)	F	NC	
Duration of	Ignition source (min, s)	2 min 21 s	NC
	Flames (min, s)	4 min 47 s*	NC
	Smoke (min, s)	5 min 52 s	NC
Extent of damage of horizontal component	Foam - Width (mm)	--	NC
	Foam - Length (mm)	--	NC
	Foam - Depth (mm)	--	NC
Extent of damage of vertical component	Foam - Width (mm)	--	NC
	Foam - Depth (mm)	--	NC
Damage exceeds limits of clauses 4.1(e), 4.1(f) or 4.2(f)	Yes,4.2(f)	NC	
Initial weight before test (g)	6779	NC	
Final weight after test (g)	--	NC	
Resultant mass loss (g)	--	NC	
Reason for failure (Ref to failure code)	Escalating combustion	NC	
Final examination of progressive smouldering (9.4)	NA	NC	
Comments & observations	Flaming ignition	NC	
Result	Fail	NC	

Remark: NA---Not Applicable; NC---Not Conduct; \*--- Forcibly extinguished

**Statement:** The decision rules for statements of conformity (Pass/Fail) have been applied to any results that results in a numerical value and are based on the probability conformance of 95% (UKAS LAB 48) agreed with the customer at the contract review stage.



**Photo Appendix:**

Details of sample:

Color: Light green

This foam sample of approximate density of 27.3 kg/m<sup>3</sup>.



Foam

Finished product

SGS authenticate the photo on original report only

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

