ZHEJIANG CHUANYANG NEW MATERIAL INC.

NO. 2, FOURTH ROAD, GUODIAN INDUSTRIAL PARK, YANGUAN TOWN, HAINING CITY, ZHEJIANG PROVINCE

Sample Description	:	DB30 GRAY FOAM
Style/Item No.	:	/

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.	:	NBHL2509024168OT
Sample Receiving Date	:	Sep 26,2025
Testing Period	:	Sep 26,2025 to Oct 10,2025
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 **meets** 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

Echo Li
Approved signatory

Scan to see the report
AJFTS25006725R01
Verification:
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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)	1st	2nd
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

(B) Flaming

Criteria of failure (Clause 4.2 of BS 5852 Part 2:1982)	1st	2nd
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

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch Fire Technology Service
检验检测专用章 Inspection & Testing Services

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(C) Mass Loss

Criteria (Clause 5 in Schedule 1 of UK Regulations)	1st	2nd
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.	<60 g	<60 g

Detailed Results

Test No.		1st	2nd
Progressive smouldering (PS) or Flaming (F)		No	No
Duration of	Ignition source (min, s)	2 min 34 s	2 min 41 s
	Flames (min, s)	4 min 19 s	4 min 30 s
	Smoke (min, s)	5 min 25 s	5 min 41 s
Extent of damage of horizontal component	Foam - Width (mm)	137	140
	Foam - Length (mm)	190	198
	Foam - Depth (mm)	Through	Through
Extent of damage of vertical component	Foam - Width (mm)	158	162
	Foam - Depth (mm)	55	58
Damage exceeds limits of clauses 4.1(e), 4.1(f) or 4.2(f)		Yes, 4.2(f)	Yes, 4.2(f)
Initial weight before test (g)		5944	5950
Final weight after test (g)		5907	5910
Resultant mass loss (g)		37	40
Reason for failure (Ref to failure code)		---	---
Final examination of progressive smouldering (9.4)		No	No
Comments & observations		No	No
Result		Pass	Pass

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.

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Photo Appendix:

Details of sample:

Color: Grey

This foam sample of approximate density of 31.4 kg/m^3.

SGS authenticate the photo on original report only

*** End of Report ***

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