

Test Report

No. AJFS2205003182FF

Date: MAY 17, 2022

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CHANGZHOU HARVEST FURNITURE CO., LTD.

HONLAND INDUSTRIAL ZONE, TONGSHUN RD. #7, HENGLIN TOWN, CHANGZHOU, JIANGSU PROVINCE, CHINA

Product Description: FOAM

SGS Ref No.: AJHL2205001574OT

Style/Item No.: /

Buyer: DHP

Country of Origin: CHINA

Country of Destination: USA

The above sample(s) 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.

Test Requested:

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 Results: -- 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.

Test Period:

Sample Receiving Date : MAY 10, 2022

Test Performing Date : MAY 10, 2022 TO MAY 16, 2022

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



Allen Zou
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.
Anji Branch Fire Technology Service

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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)

Conditioning

Prior to testing: The sample was conditioned at least 72 h in indoor ambient conditions and 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 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.

(A) Progressive smouldering

Criteria of failure (Clause 4.1 of BS 5852 Part 2:1982)	1 st	2 nd
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)	1 st	2 nd
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

To be continued....



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(C) Mass Loss

Criteria (Clause 5 in Schedule 1 of UK Regulations)	1 st	2 nd
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.	27g	30g

Test Details:

Test No.	1 st	2 nd	
Progressive smouldering (PS) or Flaming (F)	NO	NO	
Duration of	Ignition source (min, sec)	2min20s	2min17s
	Flames (min, sec)	3min46s	4min06s
	Smoke (min, sec)	4min27s	4min46s
Extent of damage of horizontal component	Foam - Width (mm)	113	108
	Foam - Length (mm)	146	152
	Foam - Depth (mm)	58	63
Extent of damage of vertical component	Foam - Width (mm)	104	99
	Foam - Depth (mm)	31	35
Damage exceeds limits of clauses 4.1(e), 4.1(f) or 4.2(f)	NO	NO	
Initial weight before test (g)	6115	6108	
Final weight after test (g)	6088	6078	
Resultant mass loss (g)	27	30	
Reason for failure (Ref to failure code)	---	---	
Final examination of progressive smouldering (9.4)	NO	NO	
Comments & observations	NO	NO	
Overall result	PASS	PASS	

Statements:

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 Confidence of 95% (UKAS LAB 48) agreed with the customer at the contract review stage.

To be continued....



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Photo Appendix:

Details of sample:

Color: White

This foam sample of approximate density of 34.3 kg/m³.



SGS authenticate the photo on original report only

*** End of Report ***



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