

Test Report

No. AJFS2102000977FF

Date: FEB.08, 2021

Page 1 of 4

DOREL HOME FURNISHINGS EUROPE LTD

ALPHASON HOUSE, 244 SWAN LANE, HINDLEY GREEN, WIGAN WN2 4EY, UNITED KINGDOM

The following sample(s) 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.

Product Description: UKFR – FOAM

SGS Ref No.: AJHL2102000337OT

Ref. No./Item No.: ALL APHASON ITEMS FROM HENGLIN

Supplier: HENGLIN HOME FURNISHINGS CO LTD

Buyer: DOREL HOME FURNISHINGS EUROPE LTD

Manufacturer: HENGLIN HOME FURNISHINGS CO LTD

Country of Origin: CHINA

Country of Destination: UK

Labeled Age Grading: ADULT

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 : FEB.02, 2021

Test Performing Date : FEB.02, 2021 TO FEB.07, 2021

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

Allen Zou
Lab Manager

scan to see the report



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SGS-CSTC 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.	34 g	36 g

Test Details:

Test No.	1 st	2 nd	
Progressive smouldering (PS) or Flaming (F)	NO	NO	
Duration of	Ignition source (min, sec)	2min17s	2min26s
	Flames (min, sec)	3min21s	3min19s
	Smoke (min, sec)	4min05s	4min20s
Extent of damage of horizontal component	Foam - Width (mm)	147	138
	Foam - Length (mm)	183	178
	Foam - Depth (mm)	65	67
Extent of damage of vertical component	Foam - Width (mm)	146	155
	Foam - Depth (mm)	59	58
Damage exceeds limits of clauses 4.1(e), 4.1(f) or 4.2(f)	NO	NO	
Initial weight before test (g)	5966	5964	
Final weight after test (g)	5932	5928	
Resultant mass loss (g)	34	36	
Reason for failure (Ref to failure code)	---	---	
Final examination of progressive smouldering (9.4)	NO	NO	
Comments & observations	---	---	
Overall result	PASS	PASS	

Statements:

The declaration of conformity is based on non-binary acceptance decision rules with guard band, and the guard band length parameter is 0.

To be continued....



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Photo Appendix:

Details of sample:

Color: Blue

This foam sample of approximate density of 29.2 kg/m³.



SGS authenticate the photo on original report only

*** End of Report ***



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