

Test Report

No. AJFS2205003687FF

Date: MAY 30, 2022

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HENGLIN HOME FURNISHINGS CO., LTD.

NO.378, 380 JIAXI ROAD, ANJI COUNTY, HUZHOU CITY, ZHEJIANG PROVINCE, CHINA

Sample Description: GREY FABRIC

SGS Ref No.: AJHL2205001922OT

Style/Item No.: /

Manufacturer Name: HENGLIN HOME FURNISHINGS CO., LTD.

Country of Origin: CHINA

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:

1. SOR/2016-194 Textiles Flammability Regulations.
2. State of California, Department of Consumer Affairs, Bureau Household Goods and Services, Technical Bulletin 117-2013(R2019), Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture, Section 1, Cover Fabric Test.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : MAY 24, 2022

Test Performing Date : MAY 24, 2022 TO MAY 27, 2022

Signed for and on behalf of

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



Allen Zou
Approved Signatory



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1. SOR/2016-194

I. Test conducted

This test was conducted in accordance with SOR/2016-194 Textiles Flammability Regulations. And the flame spread time is determined according to the Canadian General Standards Board standard CAN/CGSB-4.2 No. 27.5-2008 TEXTILE TEST METHODS FLAME RESISTANCE - 45° ANGLE TEST-ONE-SECOND FLAME IMPINGEMENT.

II. Details of tested specimen

Sample description / Color	Fabric /Grey
Area Density	293 g/m ²
Size of sample	165mm × 50mm
Product category	[☒] Textile products [☐] Bedding
Type	[☒] Plain Fabric [☐] Raised Fiber Fabric

Washing & Conditioning details:

Washing procedure: None

Conditioning: Prior to testing, the submitted sample was dried at 105± 2 °C for 1 h, then cool to room temperature in a desiccator.

III. Test results

1) Preliminary for determining the tested direction and surface of specimen

	Lengthwise (Face)	Lengthwise (Back)	Crosswise (Face)	Crosswise (Back)
Burning time, s	DNI	DNI	DNI	DNI

2) On the basis of the preliminary tests above, the ignition mode was selected as following.

[☒] Lengthwise, [☐] Crosswise, [☒] Face, [☐] Back

Specimen No.	1 st	2 nd	3 rd	4 th	5 th	Average
Burning time, s	DNI	DNI	DNI	DNI	DNI	--

Sub-Conclusion: [☒] Meets; [☐] Does not meet

Abbreviations of "No Burning Time" Categories

DNI – Did not ignite when exposed to test ignition source.

To be continued...



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Requirements:

1. The flame spread time for textile products without a raised fibre surface must be greater than 3.5 seconds.
2. The flame spread time for textile products with a raised fibre surface that exhibits ignition or fusion of its base fibres must be greater than 4 seconds.
3. The flame spread time for bedding without a raised fibre surface, or bedding with a raised fibre surface that exhibits ignition or fusion of its base fibres, must be greater than 7 seconds.

2. TB 117-2013(R2019), Section 1: Cover Fabric Test

I. Test Conducted

This test was conducted in accordance with California Technical Bulletin 117-2013(R2019) Testing the Smolder Resistance of Materials Used in Upholstered Furniture, Section 1: Cover Fabric Test.

II. Test Specimen

Sample description / Color	Fabric / Grey
Area density	293 g/m ²
Sample size	203 mm×203 mm & 203 mm×381 mm ,3pcs

III. Conditioning

Prior to testing, the specimens were conditioned for a minimum of 24 hours, at 70 ± 5°F (21°C ± 3°C) and less than 55% relative humidity.

IV. Test Results

Specimen No.	Duration of smoldering (min:sec)	Open flaming (Yes/No)	Vertical char length (mm)	Comments
1	34min47s	No	22	Pass
2	35min16s	No	20	Pass
3	33min38s	No	21	Pass

To be continued...

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PASS/FAIL CRITERIA:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
 - a) The mock-up test specimen continues to smolder after the 45 minute test duration.
 - b) A vertical char length (measured as specified in step 11.9 of ASTM E1353-08a ^{ε1}) of more than 1.8 inches (45 mm) develops on the cover fabrics.
 - c) The mock-up test specimen transitions to open flaming.
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.
3. If more than one initial specimen fails, the cover fabric fails the test.
4. If any one of the three initial specimens fails, repeat the test on additional three specimens.
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

Sub-Conclusion: The Submitted Sample **meets** the Requirements of Section 1 for Cover Fabric Test of California Technical Bulletin 117-2013(R2019).

STATEMENTS:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

The test results only to the ignitability of the sample or 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.

The specimen was supplied by the sponsor and SGS-CSTC ANJI Branch was not involved in any selection or sampling procedure.

To be continued...



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report