

TONGXIANG GELIN TEXTILE CO.;LTD
3852 HUANCHENG EAST ROAD, TONGXIANG, ZHEJIANG PROVINCE

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)wool velvet fabric for upholstery use
Sample Color : (A)Camel
Composition : (A)Pile :100% merino wool
End Use : (A)For upholstery use
Style No. : W-TDC-7328
Country of Origin : China

Proposed Care Instruction : Dry clean only

Sample Receiving Date : Jul 18, 2023
Testing Period : Jul 19, 2023 - Jul 28, 2023


Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Conclusion **A**
Test Procedure and Apparatus for
Testing the Smolder Resistance of
Materials Used in Upholstered
Furniture **PASS**
The Furniture and Furnishings
(Fire) (Safety) Regulations 1988 **PASS**

Remark(s) : PASS=Meet General Requirement

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd Testing Center



Susan Dong (Account Executive)



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Test Result

Smolder Resistance Test of Materials Used in Upholstered Furniture
(California Technical Bulletin 117-2013)

Section 1: Cover Fabric Test

Sample: (A)

Test results

Specimen No.	Duration of smoldering (min:sec)	Open flaming (Yes/No)	Vertical char length (mm)	Comments
1	30min18sec	No	16	Pass
2	29min22sec	No	17	Pass
3	29min51sec	No	16	Pass

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.
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.

Conclusion:

The Submitted Sample **meets** the flammability requirements of Section 1 for Cover Fabric Test of California Technical Bulletin 117-2013.



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The Furniture and Furnishings (Fire) (Safety) Regulations 1988 No. 1324 (Amended 1989 No. 2358, 1993 No. 207 and 2010 No. 2205)

Schedule 4 Part I cigarette test for the visible parts of upholstery composites based on BS 5852: Part 1:1979 (ignition source 0).

Schedule 5 Part I match test for the visible parts of covers based on BS 5852: Part 1:1979 (ignition source 1).

Conditioning

Not contain a fire-retardant chemical

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

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.

Sample: (A)

Cigarette test

Smouldering cigarette test criteria (BS 5852: Part 1:1979)		1 st	2 nd
9.2.3	Whether the evidence of progressive smouldering or flaming in the interior and/or cover.	NO	NO
9.2.4	Whether progressive smouldering or flaming of the sample is observed at any time within one hour of placement of the cigarette.	NO	NO
9.4	On final examination whether progressive smouldering is observed when dismantle assembly and examine internally.	NO	NO

Test details

Test No.		1 st	2 nd
Duration of	Ignition source (min, sec)	20min29sec	21min17sec
	Flames (after placement of the cigarette) (min, sec)	20min32sec	21min21sec
	Smoke (after placement of the cigarette) (min, sec)	20min40sec	21min25sec
Progressive smouldering (PS) or Flaming (F)		NO	NO
Reason for failure (Refer to failure code)		/	/
Overall result		Pas	Pass

Match test

Match test criteria (BS 5852: Part 1: 1979)		1 st	2 nd
9.3.4	Whether the flaming or progressive smouldering in the interior and/or cover is observed beyond 120s of the removal of the burner tube.	NO	NO
9.4	On final examination whether progressive smouldering is observed when dismantle assembly and examine internally.	NO	NO



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Test details

Test No.		1 st	2 nd
Duration of	Ignition source (20±1 sec)	20sec	20sec
	Flames (after removal of the burner tube) (min, sec)	1sec	1sec
	Smoke (after removal of the burner tube) (min, sec)	3sec	2sec
Progressive smouldering (PS) or Flaming (F) (after 120s removal of burner tube)		NO	NO
Reason for failure (Refer to failure code)		/	/
Overall result		Pass	Pass

Remark:

NA: Not applicable

NC: Not conduct

#: Forcibly extinguished

*: Cigarette self-extinguishes

The filling material is non-fire retardant polyurethane foam corresponding to the specification set out in BS 3379 Type B Hardness grade 130 and of a density of 20-22 kg per m³.

Conclusion

This submitted sample **meets** the requirement of **Schedule 4 Part I** and **meets** the requirement of **Schedule 5 Part I** of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 No. 1324 (Amended 1989 No. 2358, 1993 No. 207 and 2010 No. 2205).

Sample Photo



The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report



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