



中国认可
国际互认
检测
TESTING
CNAS L4743

TEST REPORT

No.: AJFTS25009202R01_EN

Date: Jan 12,2026

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KUANGING INDUSTRIAL CO., LTD.

1-1203 NO.451 JIN CHENG RD., XIAOSHAN HANGZHOU CHINA (311202)

Sample Name : 100% SOLUTION DYED POLYESTER WITH FR TREATMENT
Type : KH26515-7039ZH
Supplier/Manufacturer : KUANGING INDUSTRIAL CO., LTD.
Supplier/Manufacturer Address : 1-1203 NO.451 JIN CHENG RD., XIAOSHAN HANGZHOU CHINA (311202)
Additional Information : GREY

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.

Sample Receiving Date : Dec 31,2025
Testing Period : Dec 31,2025 to Jan 07,2026
Test Required : IMO International code for application of fire test procedures, 2010 (2010 FTP CODE), Annex 1 Fire test procedure, Part 8 Test for upholstered furniture.
Test result(s) : See attached sheet

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

Echo

Echo Li
 Approved signatory



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

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Sample Information

The following 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.

- Type of the furniture : Sofa
- Fabric material : 100% solution dyed polyester
- Fabric composition of weave : Plain
- Fabric density (number/inch) : /
- Fabric yarn number count : /
- Fabric thickness : /
- Fabric mass per unit area : 230 g/m²
- Fabric color and tone : Grey
- Fabric fire retardant treatment : Coating
- Filling material : /
- Filling density : /
- Filling fire retardant treatment : /



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Introduction

The test was conducted in accordance with 2010 FTP code Annex 1 Part 8 at the request of the client. If no progressive smoldering and flame are observed during the test and the final examination specified in 7.4 of Annex 1 is passed, the sample is considered to meet the criteria requirements.

Test Specimen

Components	Cover material	Upholstery filling (provide by lab)
Materials	Fabric	Non-flame-retardant foam
Color	Grey	White
Density / weight per unit area	352 g/m ²	21 kg/m ³
Size of specimens	800 mm × 650 mm	450 mm × 300 mm; 450 mm × 150 mm
Thickness (mm)	0.7	75

Conditioning

Cleaning procedure: None

The materials to be tested and the cigarette were conditioned immediately before the test for 72 h in indoor ambient conditions and then for at least 16 h in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%.

Test environment: temperature 20±5°C and relative humidity between 20% ~ 70%.

Test Result:

1. Smouldering Cigarette Test

The smouldering rate is verified according to the requirements of 2010 FTP Code, Annex 1, Part 8

Length (mm)	Diameter (mm)	Mass (g)	Smouldering time at 5mm~55mm (min.)	Smouldering rate (min./mm)
70	6.8	0.95	10	10/50

Criteria	1 st test	2 nd test
7.2.4) Whether progressive smouldering or flaming of the sample is observed at any time within 1 h of placement of the cigarette.	No	No
7.4) Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is present, extinguish the test piece, and record a fail result for the relevant test source.	No	

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Test Details

Test	Dimension and mass of cigarettes	Time to extinguishment after placement of the cigarette		Extent of damage (mm)	Observations
		Flame	Smoke		
1 st	Length: 69 mm Diameter: 7.8 mm Mass:0.92 g	0	21 min 15 s	69	#2
2 nd	Length: 70 mm Diameter: 7.9 mm Mass:0.95 g	0	22 min 10 s	71	#2

2. Propane Flame Test

Criteria	1 st test	2 nd test
7.3.4) Flaming or progressive smouldering of the upholstery components is observed after 120s of the removal of the burner tube.	No	No
7.4) Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is present, extinguish the test piece, and record a fail result for the relevant test source.	No	

Test Details

Test	Ignition source	Time to extinguishment after removal of the burner		Extent of damage (mm)	Observations
		Flame	Smoke		
1 st	(20 ± 1) s	0 s	27 s	73	#3
2 nd	(20 ± 1) s	0 s	28 s	85	#3

Conclusion: The sample **meets** the performance criteria of clause 3 of 2010 FTP Code, Annex 1, Part 8.

Remark:

- #1 - Cigarette fails to smoulder its complete length.
- #2 - Cigarette smoulders its complete length, but the sample was non ignition.
- #3 - The sample was not ignited after removal of the burner.
- #4 - Flaming but self-extinguished.
- #5 - Escalating combustion and forcibly extinguished.

Deviation:

Any deviations from the test method: No

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Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Test results apply to the sample as received.

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.

Photo Appendix



SGS authenticate the photo on original report only

End of Report

SGS Anji Branch



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

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