



中国认可  
国际互认  
检测  
TESTING  
CNAS L4743

**Test Report**

Report No.: AJFS2212010121FF

Date: DEC.26, 2022

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**SHAOXING BIGU TEXTILES CO., LTD.**

ROOM 201, FLOOR 2, NO.92-4 QISHENG ROAD, MASHAN STREET, YUECHENG DISTRICT, SHAOXING, ZHEJIANG, CHINA

**Sample Description:** INHERENT FLAME RETARDANT SPANDEX FABRIC

**Color:** BLACK

**Composition:** POLYESTER+SPANDEX

**Style/Item No.:** /

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.

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**Test Requested:**

NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

**Test Results:** -- See attached sheet --

**Conclusion:** The tested sample "as received" **passes** the test method 1 of NFPA 701:2019.

**Test Period:**

Sample Receiving Date : DEC.16, 2022

Test Performing Date : DEC.16, 2022 TO DEC.26, 2022

Signed for and on behalf of

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

*Echo*

Echo Li  
Approved Signatory

scan to see the report



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Member of the SGS Group (SGS SA)

**I. Test Conducted**

The test was conducted in accordance with NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

**II. Test Specimen**

Description	Fabric
Color	Black
Area density	212 g/m <sup>2</sup>
Material configuration	Single layer
Size of specimen	400 mm x 150 mm
Exposed surface	Any surface

**Conditioning**

Cleaning procedure: none

Prior to testing, the specimens were dried in oven at 105°C±3°C for 30 min.

**III. Test Result**

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burn time of fragments or residues (s)
1	13.28	9.61	27.64	0	0
2	13.04	9.25	29.06	0	0
3	12.84	8.93	30.45	0	0
4	13.15	9.50	27.76	0	0
5	12.97	9.27	28.53	0	0
6	13.04	9.54	26.84	0	0
7	13.11	9.22	29.67	0	0
8	13.20	9.63	27.05	0	0
9	12.87	8.87	31.08	0	0
10	12.90	9.74	24.50	0	0
Average	13.04	9.36	28.26	0	0

SD =1.94    3SD =5.84    Mean + 3SD =34.08

SD – Standards deviation



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**Observations:**

Vigorousness of burning (Yes/No)	Material molten dripping (Yes/No)	Odor smoke (Yes/No)
No	Yes	Yes

**Performance criteria for test method 1 (Chapter 10)**

1. Fragments or residues of specimens that fall to the floor of the test chamber shall not continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens.
2. The average weight loss of the 10 specimens in a sample shall be 40 percent or less.
3. No individual specimen's percent mass loss shall deviate more than 3 standard deviations from the mean for the 10 specimens.
4. When a retest is required, no individual specimen's percent mass loss in the second set of specimens shall deviate from the mean value by more than 3 standard deviations calculated for the second set.
5. When a sample does not demonstrate passing performance in accordance with all of the conditions indicated above, the material shall be recorded as having failed Test Method 1.

**Statement:** 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\*\*\*



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