



中国认可  
国际互认  
检测  
TESTING  
CNAS L4743

## Test Report

Report No.: AJFS2211008883FF

Date: NOV.11, 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 POLYESTER KNIT FABRIC

**Color:** BLACK

**Composition:** POLYESTER

**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 : NOV.04, 2022

Test Performing Date : NOV.04, 2022 TO NOV.10, 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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## 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	196 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	12.26	11.81	3.67	0	0
2	12.85	12.15	5.45	0	0
3	12.43	12.11	2.57	0	0
4	12.70	11.92	6.14	0	0
5	12.72	11.95	6.05	0	0
6	12.41	12.05	2.90	0	0
7	12.40	12.14	2.10	0	0
8	12.84	12.11	5.69	0	0
9	12.24	11.86	3.10	0	0
10	12.78	11.95	6.49	0	0
Average	12.56	12.01	4.42	0	0

SD =1.70 3SD =5.10 Mean + 3SD =9.52

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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