



中国认可  
国际互认  
检测  
TESTING  
CNAS L4743

## Test Report

Report No.: AJFS2210008445FF

Date: NOV.10, 2022

Page 1 of 3

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

ROOM201, FLOOR2, NO.92-4 QISHENG ROAD, MASHAN STREET, YUECHENG DISTRICT, SHAOXING, ZHEJIANG, CHINA

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

**Color:** BLACK

**Composition:** POLYESTER+SPANDEX

**Style/Item No.:** /

**Manufacturer:** SHAOXING BEGOODTEX CO., LTD.

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:**

DIN 4102-1:1998-05 Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing, Class B2 materials---For all materials except flooring.

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

**Conclusion:** The tested sample **meets** class **B2** materials requirements of DIN 4102-1:1998-05.

### **Test Period:**

Sample Receiving Date : OCT.24, 2022

Test Performing Date : OCT.24, 2022 TO NOV.08, 2022

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

Echo Li  
Approved Signatory

scan to see the report



AJFS2210008445FF



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Page 2 of 3

### I. Test conducted

This test was conducted as per DIN 4102-1:1998-05 Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing, Clause 6.2. Class B2 materials.

### II. Sample details

Sample description	Flame retardant poly spandex fabric (provided by client)
Color	Black
Density	184 g/m <sup>2</sup>
Size of sample	190mm×90mm

### Conditioning

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ± 2 °C, and a relative humidity of 50 ± 6 %.

### III. Test results

Edge ignition

Fire application time: 15s

Parameter	Lengthwise					Crosswise				
	1	2	3	4	5	6	7	8	9	10
Whether or not flaming extinguished before reach the gauge mark (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No	No	No	No	No	No
Time for the flame tip to reach the gauge mark (s)	No	No	No	No	No	No	No	No	No	No
Afterflame time (s)	0	0	0	0	0	0	0	0	0	0
Max. flame height (cm)	2	2	2	3	2	2	2	3	3	3
Molten dripping (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				



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### DIN 4102-1: 1998-05 Criteria for B2/B3 classification

1) Materials may be classed as **B2** materials if they pass the ignitibility test specified in DIN 4102-1: 1998 subclause 6.2.5

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

2) Combustible materials which cannot be classed as B1 or B2 materials shall be classed as **B3** materials

### **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.

This test report does not replace any mandatory certification of the product that may be required.

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 and smoke hazard of the product in use.

### **Photo Appendix:**



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*



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