

## Test Report

No. AJFS1704002052FF

Date: MAY.11, 2017

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SHAOXING BIGU TEXTILES CO., LTD.

NO.75 ZHENYUAN ROAD PAOJIANG SHAOXING

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

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

**Color:** BLACK

**Composition:** 100%POLYESTER

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

### **Test Requested:**

Determine the flame resistance in accordance with test method 1 of NFPA 701:2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

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

**Conclusion:** The tested sample "As received" **meets** the requirements of Test Method 1 of NFPA 701:2015.

### **Test Period:**

Sample Receiving Date : MAY.02, 2017

Test Performing Date : MAY.02, 2017 TO MAY.09, 2017

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

Allen Zou  
Technical Manager



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### I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

### II. Details of tested sample

Sample description / Color	Fabric / Black
Area density	About 254 g/m <sup>2</sup>
Products configuration	Single Layer
Size of sample *	150mm × 400mm      10pcs

\* With the length parallel to the lengthwise direction of the material

### III. Conditioning

Prior to testing, the sample was conditioned at least 30 minutes at 105°C±3°C

### IV. Test results

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burning time on floor (s)
1	16.33	12.28	24.80	0	0
2	16.27	12.57	22.74	0	0
3	16.32	13.31	18.44	0	0
4	16.48	12.31	25.30	0	0
5	16.37	12.81	21.75	0	0
6	16.29	12.93	20.63	0	0
7	16.38	13.07	20.21	0	0
8	16.30	12.46	23.56	0	0
9	16.22	12.50	22.93	0	0
10	16.37	12.32	24.74	0	0
Mean	16.33	12.66	22.51	0	0

SD =2.24    3SD =6.72    Mean + 3SD =29.23

SD – Standards deviation

To be continued....



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**Observations:**

Vigorousness of burning	No
Material molten dripping	Yes
Odor smoke	Yes

**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 specimen.
2. The average weight loss of the 10 specimen 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.

**Photo Appendix:**



SGS authenticate the photo on original report only

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



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