

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

NO.92-4 QISHENG ROAD, YUECHENG DISTRICT, SHAOXING, ZHEJIANG, CHINA

The following 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. results apply to the sample as received.

**Sample Description:** INHERENT FLAME RETARDANT POLY PREMIERE FABRIC**Color:** BLACK**Composition:** 100% POLYESTER**Manufacturer:** SHAOXING BEGOODTEX CO., LTD.**Country of Destination:** USA**Style/Item No.:** /**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 **meets** the requirements of Test Method 1 of NFPA 701:2015.**Test Period:**

Sample Receiving Date : JUL.18, 2019

Test Performing Date : JUL.18, 2019 TO JUL.23, 2019

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



Allen Zou  
Lab Manager



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SGS-CSTC Inspection & Testing Services Co., Ltd.  
Anji Branch Hardimes

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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 190 g/m <sup>2</sup> |
| Products configuration     | Single Layer               |
| Size of sample *           | 150mm x 400mm              |

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

**III. Conditioning and cleaning procedure**

Cleaning procedure: 5 cycles, wash program :ISO 6330:2012,NO 6N ,60 degree C, line dry.

Prior to testing, the sample was:

[  ] Dried in oven at 105°C±3°C for 30 minutes.

[  ] Conditioned at 20°C±5°C for 24 hours.

**IV. Test results**

**As received**

| Specimen No. | Mass before test (g) | Mass after test (g) | Mass loss (%) | After flame time (s) | Burning time on floor (s) |
|--------------|----------------------|---------------------|---------------|----------------------|---------------------------|
| 1            | 11.72                | 10.58               | 9.73          | 0                    | 1.5                       |
| 2            | 12.08                | 11.27               | 6.71          | 0                    | 1.0                       |
| 3            | 11.95                | 10.80               | 9.62          | 0                    | 0.8                       |
| 4            | 11.63                | 10.44               | 10.23         | 0                    | 0                         |
| 5            | 11.96                | 10.75               | 9.66          | 0                    | 1.8                       |
| 6            | 12.00                | 9.95                | 17.08         | 0                    | 1.0                       |
| 7            | 12.13                | 10.11               | 16.65         | 0                    | 0.6                       |
| 8            | 12.09                | 10.44               | 13.65         | 0                    | 0                         |
| 9            | 11.83                | 11.22               | 5.16          | 0                    | 0                         |
| 10           | 11.77                | 10.95               | 6.97          | 0                    | 0.7                       |
| Mean         | 11.91                | 10.65               | 10.55         | 0                    | 0.7                       |

SD =4.06    3SD =12.18    Mean + 3SD =22.73

SD – Standards deviation

To be continued....



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**After cleaning**

| Specimen No. | Mass before test (g) | Mass after test (g) | Mass loss (%) | After flame time (s) | Burning time on floor (s) |
|--------------|----------------------|---------------------|---------------|----------------------|---------------------------|
| 1            | 11.98                | 10.95               | 8.60          | 0                    | 0.7                       |
| 2            | 12.01                | 10.87               | 9.49          | 0                    | 1.1                       |
| 3            | 12.12                | 11.63               | 4.04          | 0                    | 0                         |
| 4            | 12.14                | 10.71               | 11.78         | 0                    | 0.8                       |
| 5            | 12.05                | 10.56               | 12.37         | 0                    | 0                         |
| 6            | 11.95                | 10.83               | 9.37          | 0                    | 0.5                       |
| 7            | 12.23                | 11.27               | 7.85          | 0                    | 0                         |
| 8            | 11.82                | 10.91               | 7.70          | 0                    | 1.7                       |
| 9            | 11.90                | 10.28               | 13.61         | 0                    | 0                         |
| 10           | 12.00                | 10.65               | 11.25         | 0                    | 1.2                       |
| Mean         | 12.02                | 10.87               | 9.61          | 0                    | 0.6                       |

SD =2.79 3SD =8.37 Mean + 3SD =17.98

SD – Standards deviation

**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 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.

To be continued....



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### 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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