

## Test Report

No. AJHL1608009434FB

Date: SEP.02, 2016

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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:** IFR POLY KNIT

**Color:** BLACK

**Composition:** 100% POLYESTER

**Manufacturer:** SHAOXING BEGOOD TEXTILES 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 : AUG.26, 2016

Test Performing Date : AUG.26, 2016 TO AUG.31, 2016

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	IFR POLY KNIT / Black
Area density	About 119 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 (220°F±5°F)

### 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	7.51	6.22	17.18	0	0
2	7.43	5.79	22.07	0	0
3	7.52	5.92	21.28	0	0
4	7.40	7.04	4.86	0	0
5	7.46	6.41	14.08	0	0
6	7.41	6.03	18.62	0	0
7	7.50	6.16	17.87	0	0
8	7.46	6.36	14.75	0	0
9	7.53	6.47	14.08	0	0
10	7.47	6.31	15.53	0	0
Mean	7.47	6.27	16.03	0	0

SD =4.83 3SD =14.49 Mean + 3SD =30.52

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 \*\*\*