

Test Report

No. AJHG1505003456FB-01

Date: MAY.20, 2015

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SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO., LTD

NO.36 JINNIU ROAD, JIANSAN DISTRICT, HAINING CITY, ZHEJIANG PR., CHINA

THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: AJHG1505003456FB, DATE: MAY.18, 2015

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

Sample Description: POWER STRETCH FABRIC

Type/Style: ST-140

Color: WHITE

Composition: 85% POLYESTER AND 15% LYCRA

Supplier: SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO., LTD

Manufacturer: SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO., LTD

Country of Origin: CHINA

Country of Destination: NORTH AMERICA

Test Requested:

Determine the flame resistance in accordance with test method 1 of NFPA 701:2010 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 701:2010.

Test Period:

Sample Receiving Date : MAY.12, 2015

Test Performing Date : MAY.12, 2015 TO MAY.18, 2015

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



Allen Zou
Technical Manager



SGS-CSTC Standards Technical Service Co., Ltd.
Anji Branch

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I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2010 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

II. Details of tested sample

Material / Color	Fabric / White	
Area density	256g/m ²	
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 of specimen Before test (g)	Mass of specimen After test (g)	Mass loss (Percent)	After flame time (s)	Burning time on floor (s)
1	16.26	13.42	17.47	0	0
2	16.03	13.38	16.53	0	0
3	16.09	13.26	17.59	0	0
4	16.03	13.35	16.72	0	0
5	16.08	13.29	17.35	0	0
6	16.05	13.41	16.45	0	0
7	16.06	13.36	16.81	0	0
8	16.09	13.33	17.15	0	0
9	16.05	13.28	17.26	0	0
10	16.07	13.37	16.80	0	0
Mean	16.08	13.35	17.01	0	0

SD =0.4 3SD =1.2 Mean + 3SD =18.21

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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