



TEST REPORT

No. : SP130603891

Date : July 8,2013

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ZHEJIANG CHENHONG TEXTILES TECHNOLOGY CO., LTD
#585 HANG HAI ROAD, YU YUE TOWN, DEQING COUNTY, ZHEJIANG, CHINA

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

Sample Name : ADVANTAGE FR
Sample No. : SP130603891
Product specification : DARK GREY
Test Required : 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
Date of Receipt : June 25,2013
Test Period : June 25,2013 to July 5,2013

Test result(s) : For further details, please refer to the following page(s)

***** To be continued*****

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd

Ivy Zhu

Ivy Zhu
Authorized signatory

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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

Materials	PVC Fabric
Color	Grey
Area density	450g/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	27.20	21.78	19.9	0	0.6
2	27.33	21.35	21.9	0	1.8
3	27.18	21.80	19.8	0	1.3
4	27.25	21.74	20.2	0	1.6
5	27.14	21.61	20.4	0	0.9
6	27.35	21.30	22.1	0	1.4
7	27.32	21.52	21.2	0	1.0
8	27.30	21.58	21.0	0	1.1
9	27.22	21.36	21.5	0	1.3
10	27.29	21.27	22.1	0	1.5
Mean	27.26	21.53	21.0	0	1.3

SD = 0.9 3SD = 2.7 Mean + 3SD = 23.7

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.

Conclusion: The tested sample "As received" **meets** the requirements of Test Method 1 of NFPA 701:2010.

Sample Photo:



- The test was performed by SGS internal laboratory.

***** End of report *****

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