

TEST REPORT

No. : SP111004929

Date : Oct. 18,2011

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SOYANG TECH. CO.,LTD

WEST 19TH FLOOR, YONGTONG INFORMATION PLAZA, NO.141, HUANCHENG BEI ROAD,
HANGZHOU CITY, ZHEJIANG PR., CHINA

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

Sample Name : PVC COATED MESH

Sample No. : SP111004929

Product specification : MESH-12

Manufacturer : SOYANG TECH. CO.,LTD

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 : Oct. 8,2011

Test Period : Oct. 8,2011 to Oct. 14,2011

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
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/ Color	PVC Coated Mesh / White
Area Density	About 280g/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	16.68	16.34	2.0	0	0
2	16.67	16.19	2.9	0	0
3	16.55	16.22	2.0	0	0
4	16.46	16.27	1.2	0	0
5	16.62	16.09	3.2	0	0
6	16.61	16.35	1.6	0	0
7	16.77	16.30	2.8	0	0
8	16.26	15.35	5.6	10.4	0
9	16.50	16.13	2.2	0	0
10	16.15	15.49	4.1	13.2	0
Mean	16.53	16.07	2.8	2.4	0

SD = 1.3 3SD = 3.9 Mean + 3SD = 6.7

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 *****