



TEST REPORT

No. : SC121021514

Date : Nov. 12, 2012

Page: 1 of 4

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

Sample Name : TEMPE
Sample Number : SC121021514
Test Required : 1. 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
2. California Fire Marshal Title 19: Section 1237.1 Fire Resistance; Small Scale Test
Test Method : Please see the next page(s)
Product specification : DUNE
Product or Lot No. : V2
Others : FR
Date of Receipt : Oct. 31, 2012
Test Period : Oct. 31, 2012 to Nov. 12, 2012
Test result(s) : For further details, please refer to the following page(s)
***** T to be continued*****

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

Vivien Zhang

Vivien Zhang
Authorized signatory

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1. NFPA 701:2010

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	Fabric / Grey
Area density	393g/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	24.36	20.41	16.2	0	1.8
2	24.35	20.97	13.9	0	0
3	24.08	20.51	14.8	0	2.2
4	25.13	20.46	18.6	0	1.5
5	24.47	20.35	16.8	0	1.7
6	24.34	20.99	13.8	0	0
7	24.18	20.27	16.2	0	1.3
8	24.22	20.35	16.0	0	0
9	24.55	21.05	14.3	0	0
10	24.40	21.23	13.0	0	0
Mean	24.41	20.66	15.4	0	0.9

SD = 1.7 3SD = 5.1 Mean + 3SD = 20.5

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.

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

2. California Fire Marshal Title 19: Section 1237.1

I. Test conducted

This test is conducted accordance with California Fire Marshal Title 19: Section 1237.1 Fire Resistance; Small Scale Test

II. Sample details

Materials	Fabric
Color	Grey
Area density	393g/m ²
Size of sample	12.5" x 3"

Conditioning

Prior to testing, the sample was conditioned, for not less than 1 hour at 140°F-145°F.

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

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III. Test results

Original state

	Specimen No.	Char length (Inch)	After flame time (Second)	After glow time (Second)
Length	1	4.2	0	0
	2	3.8	0	0
	3	3.9	0	0
Width	1	3.9	0	0
	2	4.2	0	0
	3	4.0	0	0
Average		4.0	0	0

ACCEPTANCE CRITERIA:

Afterflame (seconds): 2.0 Maximum, Individual

Char length (inches): 6.0 Maximum, Individual

Comments of the results:

[] The above results of tested sample (Original state) Meets the requirements of California Fire Marshal Title 19: Section 1237

[] The above results of tested sample (Original state) does not Meet the requirements of California Fire Marshal Title 19: Section 1237

Photo Appendix:



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

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