



Textile Laboratory

## Test Report

No: TX81422 /2013 /PL


Date: Aug. 29, 2013

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The following sample was submitted and identified by applicant as:

Sample Description : One sample of woven fabric 107" W/FR for tent  
Color : White  
Fiber Content : 100% Polyester  
Fabric Weight : 670g/y  
Construction : 150D\*142 /T'S x10 \*60  
Country of Origin : Taiwan  
Country of Destination : U.S.A.  
Applicant : Showdown Displays  
Sample Receiving Date : Aug. 19, 2013  
Test Performance Period : Aug. 19, 2013 to Aug. 29, 2013  
Test Performed : Selected test(s) as requested by applicant.  
Test Results : For further details, please refer to the following page(s).

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Chang Mei-Hua, May  
Supervisor

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### 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

### 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	Woven fabric / White
Area density	About 270g/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 of specimen Before test (g)	Mass of specimen After test (g)	Mass loss (Percent)	After flame time (s)	Burning time on floor (s)
1	16.45	14.01	14.8	0	0
2	16.43	14.78	10.0	0	0
3	16.36	14.73	10.0	0	0
4	16.24	14.85	8.6	0	0
5	16.47	14.06	14.6	0	0
6	16.39	14.49	11.6	0	0
7	16.28	14.68	9.8	0	0
8	16.46	14.52	11.7	0	0
9	16.37	14.26	12.9	0	0
10	16.48	14.82	10.1	0	0
Mean	16.39	14.52	11.4	0	0

SD =2.1 3SD =6.3 Mean + 3SD =17.7

SD – Standards deviation



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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

Tested by relevant SGS laboratory.

\*\*\* End of Report \*\*\*

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