

GO-DOME

4500 CAROLINE, HOUSTON, TX 77004, USA

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

Sample Description: DOME CLOTH

Buyer: GO-DOME

Country of Origin: CHINA

Country of Destination: USA

Addition information: INFLATABLE DOME CLOTH

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 : NOV.25, 2013

Test Performing Date : NOV.25, 2013 TO NOV.29, 2013

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

Allen Zou
Technical Supervisor

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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	Fabric / Blue
Area density	296g/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	17.86	15.18	15.01	0	0
2	17.03	13.08	23.14	0	0
3	17.02	13.84	18.68	0	0
4	18.23	13.96	23.42	0	0
5	17.58	13.55	22.92	0	0
6	17.16	13.29	22.55	0	0
7	17.29	13.67	20.94	0	0
8	17.76	15.20	14.41	0	0
9	17.31	13.75	20.57	0	0
10	17.28	13.39	22.51	0	0
Mean	17.45	13.89	20.42	0	0

SD =3.34 3SD =10.02 Mean + 3SD =30.44

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:



End of Report

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