

TEST DATA

Disposable Non-Woven, NFPA 701



Test Report

No. AJFS1810009935FF

Date: OCT.12, 2018

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SUZHOU TIANFENG ENVIRONMENTAL MATERIALS TECHNOLOGY CO., LTD
QIUSHE INDUSTRIAL ZONE, TONGLI TOWN, WUJIANG, JIANGSU PROVINCE

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

Sample Description: NON-WOVEN FABRIC

SGS Ref No.: AJHL1810002333OT

Type/Style: 3.0*1.83m=L*H

P.O. / Ref No.: PO#165907

Supplier: SUZHOU TIANFENG ENVIRONMENTAL MATERIALS TECHNOLOGY CO., LTD

Buyer: ALL OVER THE WORLD

Manufacturer: SUZHOU TIANFENG ENVIRONMENTAL MATERIALS TECHNOLOGY CO., LTD

Country of Origin: CHINA

Country of Destination: USA

Other Comment: COLOR: SUMMER BLUE (PERIWINKLE), 100gsm

Test Requested:

Determine the flame resistance in accordance with test method 1 of NFPA 701:2015 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 701:2015.

Test Period:

Sample Receiving Date : OCT.09, 2018

Test Performing Date : OCT.09, 2018 TO OCT.11, 2018

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

Allen Zou
Technical Manager



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I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

II. Details of tested sample

| | |
|----------------------------|--------------------------------|
| Sample description / Color | Non-woven fabric / Summer Blue |
| Area density | About 98 g/m ² |
| Products configuration | Single Layer |
| Size of sample * | 150mm × 400mm |

* With the length parallel to the lengthwise direction of the material

III. Conditioning and cleaning procedure

Cleaning procedure: none

Prior to testing, the sample was:

Dried in oven at 105°C±3°C for 30 minutes.

Conditioned at 20°C±5°C for 24 hours.

IV. Test results

| Specimen No. | Mass before test (g) | Mass after test (g) | Mass loss (%) | After flame time (s) | Burning time on floor (s) |
|--------------|----------------------|---------------------|---------------|----------------------|---------------------------|
| 1 | 6.65 | 6.27 | 5.71 | 0 | 0 |
| 2 | 6.60 | 6.23 | 5.61 | 0 | 0 |
| 3 | 6.13 | 5.98 | 2.45 | 0 | 0 |
| 4 | 6.09 | 5.81 | 4.60 | 0 | 0 |
| 5 | 6.58 | 6.22 | 5.47 | 0 | 0 |
| 6 | 6.18 | 5.88 | 4.85 | 0 | 0 |
| 7 | 6.37 | 6.02 | 5.49 | 0 | 0 |
| 8 | 6.15 | 5.84 | 5.04 | 0 | 0 |
| 9 | 6.08 | 5.79 | 4.77 | 0 | 0 |
| 10 | 6.60 | 6.36 | 3.64 | 0 | 0 |
| Mean | 6.34 | 6.04 | 4.76 | 0 | 0 |

SD = 1.02 3SD = 3.06 Mean + 3SD = 7.82

SD – Standards deviation

To be continued....



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Observations:

| | |
|--------------------------|-----|
| Vigorousness of burning | No |
| Material molten dripping | Yes |
| Odor smoke | No |

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:



SGS authenticate the photo on original report only

*** End of Report ***



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