



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

No. AJFS2205003201FF

Date: MAY 18, 2022

Page 1 of 3

SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO., LTD

NO.36 JINNIU ROAD, JIANSAN DISTRICT, HAINING CITY, ZHEJIANG PR., CHINA

Sample Description: SOLAR WELDABLE FRONTLIT PREMIUM (POLYESTER + POLYACRYLATE)

SGS Ref No.: CZHL2205003721OT

Style No.: SL-F02W

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

Test Results: -- See attached sheet --

Conclusion:

The tested sample "As received" **meets** the requirements of NFPA 701:2019, test method 1.

Test Period:

Sample Receiving Date : MAY 11, 2022

Test Performing Date : MAY 11, 2022 TO MAY 17, 2022

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Allen Zou
Approved Signatory

scan to see the report



AJFS2205003201FF



SGS-CSTC Standards Technical Services Co., Ltd.
Anji Branch Fire Technology Service

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I. Test Conducted

This test was conducted in accordance with test method 1 of NFPA 701:2019 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

II. Details of tested sample

Sample description / Color	Fabric / White
Area density	313 g/m ²
Products configuration	Single Layer
Size of sample *	400 mm × 150mm
Exposed surface	Front surface

* 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	20.73	18.33	11.58	0	1.1
2	20.59	18.28	11.22	0	1.2
3	20.60	18.43	10.53	0	1.5
4	20.64	18.51	10.32	0	1.3
5	20.49	18.39	10.25	0	1.1
6	20.63	18.27	11.44	0	1.2
7	20.57	18.31	10.99	0	1.2
8	20.71	18.43	11.01	0	1.1
9	20.66	18.95	8.28	0	1.0
10	20.61	18.47	10.38	0	1.2
Average	20.62	18.44	10.60	0	1.2

SD =0.94 3SD =2.82 Mean + 3SD =13.42

SD – Standards deviation

To be continued....



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Observations:

Vigorousness of burning (Yes / No)	No
Material molten dripping (Yes / No)	Yes
Odor smoke (Yes / No)	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 specimens.
2. The average weight loss of the 10 specimens 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.

Statement: This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

Photo Appendix:



SGS authenticate the photo on original report only

*** End of Report ***



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