



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

Report No.: AJFS2312011928FF

Date: DEC.19, 2023

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SOYANG TECHNICAL TEXTILE (ZHEJIANG) CO., LTD

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

Sample Description: SOFLAT-FRONTLIT FABRIC

SGS Ref No.: CZHL2312009033HI

Style No.: SOFLAT-FRONTLIT

P.O. / Ref No.: 232974

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 701:2023 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" **passes** the test method 1 of NFPA 701:2023.

Test Period:

Sample Receiving Date : DEC.12, 2023

Test Performing Date : DEC.12, 2023 TO DEC.18, 2023

Signed for and on behalf of

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

Echo

Echo Li
Approved Signatory



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Test Conducted

The test was conducted in accordance with NFPA 701:2023 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.

Test Specimen

Description	Fabric
Color	White / Grey
Area density	437 g/m ²
Material configuration	Single layer
Size of specimen	400 mm x 150 mm
Exposed surface	White surface

Conditioning

Cleaning procedure: none

Prior to testing, the specimens were dried in oven at 105°C±3°C for 30 min.

Test Result

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burn time of fragments or residues (s)
1	27.96	23.64	15.45	0	0
2	27.85	23.86	14.33	0	0
3	27.56	23.79	13.68	0	0
4	27.98	25.04	10.51	0	0
5	27.87	25.11	9.90	0	0
6	27.79	24.96	10.18	0	0
7	27.83	24.81	10.85	0	0
8	27.61	24.93	9.71	0	0
9	27.53	23.92	13.11	0	0
10	27.69	23.78	14.12	0	0
Average	27.77	24.38	12.18	0	0

SD =2.16 3SD =6.48 Mean + 3SD =18.66

SD – Standards deviation



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Observations:

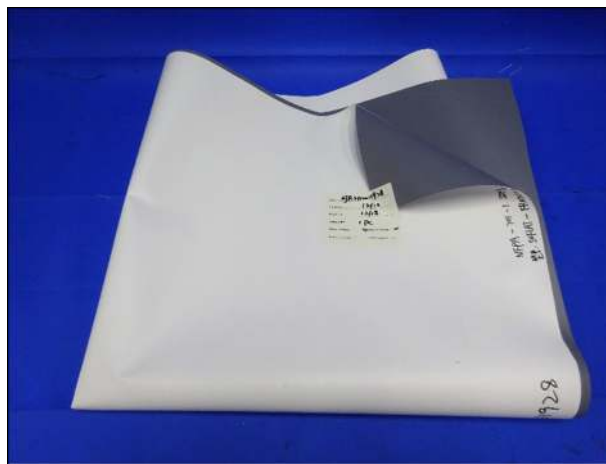
Vigorous burning (Yes/No)	Molten droplets or debris (Yes/No)	Odor smoke (Yes/No)
No	Yes	Yes

Performance 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

