



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

Report No.: AJFS2401000711FF

Date: JAN.23, 2024

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SHANDONG YUMA SUN-SHADING TECHNOLOGY CORP., LTD.

NO.1966 JINGUANG WEST STREET, SHOUGUANG CITY, SHANDONG PROVINCE, 262702, CHINA

Sample Description: SUNCOOL SUNSCREEN FABRICS

SGS Ref No.: QDHL2401000254HI

Style/Item No.: /

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 : JAN.16, 2024

Test Performing Date : JAN.16, 2024 TO JAN.22, 2024

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
Area density	432 g/m ²
Size of specimen	400 mm × 150 mm
Exposed surface	Any 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	27.49	26.59	3.27	0	0
2	27.53	25.91	5.88	0	0
3	27.27	26.51	2.79	0	0
4	26.89	25.89	3.72	0	0
5	27.43	25.94	5.43	0	0
6	27.39	26.43	3.50	0	0
7	27.32	26.27	3.84	0	0
8	27.19	26.34	3.13	0	0
9	27.22	26.55	2.46	0	0
10	27.45	25.98	5.36	0	0
Average	27.32	26.24	3.94	0	0

SD = 1.20 3SD = 3.60 Mean + 3SD = 7.54

SD – Standards deviation



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Observations:

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



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