

GUANGZHOU HANDE NEW MATERIALS CO.,LTD
 NO. 161, YAOTIANHE STREET, YONGHE ZONE GUANGZHOU ECONOMIC &
 TECHNOLOGICAL DEVELOPMENT DISTRICT GUANGZHOU,511356,CHINA

Sample Description : SUNESSE SUNSCREEN FABRIC
 Item No. : MARIO LIGHT (NON ANTIMONY TRIOXIDE)

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No. : SDFS2312008258FF
 Sample Receiving Date : Dec 22, 2023
 Test Performing Date : Dec 22, 2023 to Jan 03, 2024
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	NFPA 701:2023 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, test method 1.	The tested sample PASS Test Method 1 of NFPA 701:2023.	/
For further details, please refer to the following page(s)			

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Peter Zhao
 Authorized Signatory

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I. Test Conducted

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

II. General Information

Materials	Fabric
Area density	362 g/m ²
Products configuration	Single Layer
Size of sample *	(150 ± 5) mm × (400 ± 5) mm
Refurbishing or Weathering Conditions	NO, as per client's requirement
Conditioning	Dry at (105±3)°C, Duration: 30min

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

III. Test Results

Specimen No.	Mass before test (g)	Mass after test (g)	Mass loss (%)	After flame time (s)	Burning time on floor (s)
1	22.7	22.2	2.2	0.0	0.0
2	22.9	22.4	2.2	0.0	0.0
3	23.2	22.7	2.2	0.0	0.0
4	23.2	22.6	2.6	0.0	0.0
5	22.8	22.2	2.6	0.0	0.0
6	23.2	22.8	1.7	0.0	0.0
7	23.0	22.6	1.7	0.0	0.0
8	22.9	22.4	2.2	0.0	0.0
9	22.7	22.2	2.2	0.0	0.0
10	23.1	22.7	1.7	0.0	0.0
Average	--	--	2.1	0.0	0.0
SD	--	--	0.3	--	--
3SD	--	--	0.9	--	--
AVG +/-3SD	--	--	3.0/1.2	--	--

Remark: SD – Standards deviation

IV. Conclusion

The tested sample **PASS** Test method 1 of NFPA 701:2023.



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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 flaming 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.

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Photo Appendix:



End of Report



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