

Test Report

No. SDFS2411007569FF

Date: Dec.05, 2024

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SHANGHAI GALAXYFIBER INDUSTRY CO.,LTD
1#, 111LANE, LUXIANG ROAD, BAOSHAN DISTRICT, 201907, SHANGHAI, CHINA

Sample Description : FIRE BLANKET
Item No. : GF-FB430 1M*1M
Style No. : 100cmx100cm
Manufacturer : SHANGHAI GALAXYFIBER INDUSTRY CO.,LTD
Supplier : SHANGHAI GALAXYFIBER INDUSTRY CO.,LTD

The above data and information 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.

SGS Ref No. : SHHL2411066365SD
Sample Receiving Date : Nov.18, 2024
Test Performing Date : Nov.18, 2024 to Dec.05, 2024

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	ASTM F1989-05(Reapproved 2020) Standard Specification for Cooking Fire Suppression Blankets (Excluding clause 4.5.2)	Refer to next page(s)	/
For further details, please refer to the following page(s)			

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

Ada



Ada Liu
Approved signatory



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1-2/F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgs.com.cn
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Test Conducted:

This test is conducted in accordance with ASTM F1989-05(Reapproved 2020) Standard Specification for Cooking Fire Suppression Blankets (Excluding clause 4.5.2)

Sample Details:

Specimen Size	1.0 m×1.0 m
Specimen weight(without container)	0.45 kg
Exact number of sheet(s)	1
Number and type of hand holding devices	2 / webbing
Location of marking for maintenance and folding	container

Clause 3 Physical Properties

Test requirements	Results
3.1 Size and Shape—Cooking fire suppression blankets shall be rectangular or square, with no edge less than 0.91 ± 0.05 m (36 ± 2 in.).	M
3.2 Mass—Cooking fire suppression blankets shall have a mass not exceeding 2 kg (4.4 lb).	M
3.3 Hand Holding Devices	
3.3.1 Hand holding devices, if provided, shall consist of sewn in straps on both sides of the blanket to facilitate quick release. The strap length shall not be less than 100 mm (3.9 in.) or more than 200 mm (7.8 in.) in length, and easily grasped and released when applying the blanket over a cooking fire. The straps may be made of any high strength material and shall be of contrasting color from the blanket itself.	M
3.3.2 Attention shall be paid to the design of any holding device to ensure ease of handling and hand release.	M
3.4 Appearance and Bi-Lateral Use—The two sides of a fire blanket shall be of identical appearance, finish or color and shall give the equivalent results when tested for compliance with Section 4.	M
3.5 Resistance to Fraying or Tearing—The edges of cooking fire suppression blankets shall not fray or tear during testing for compliance with 4.3.1, 4.3.2, 4.4.4, and 4.5.1.5.	M

Clause 4.3 General Tests

Test requirements	Results
4.3.1 Flexibility Test Blankets shall be capable of being rolled without permanent deformation along any axis completely around a 50-mm diameter bar.	M
4.3.2 Ease of Removal Test—Cooking fire suppression blankets shall be designed and located in such a way that the user can remove, unfold, and make ready for use in not more than 4 s. The force required to remove the fire blanket from its container (if used) shall not exceed 80 N.	M



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SGS-CS Standards Technical Services Co., Ltd.
Shunde Branch

1-2F, Building 1, European Industrial Park, No.1, Shunde South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

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Clause 4.4 Electrical Resistance Test

Test requirements	Results
Fire blanket is considered to be in conformance with this specification if the electrical resistance of the fire blanket is not less than 1 MΩ at any point.	M

Clause 4.5 Fire Performance Tests

Clause 4.5.1 Volatile Liquid Test Fires:

Test Requirement:

1. No visible flames 3 min after ignition
2. Some fuel shall remain at the end of the test, indicating that the fire has extinguished, not merely starved of fuel.
3. Cooking fire suppression blankets shall be capable of extinguishing the volatile liquid fire.
4. All three tests shall be successful and the cooking fire suppression blankets shall remain whole and not ignite during the test.

Test Results

Specimen No.	1	2	3
Whether fire blanket ignites or not during the test.(Yes/No)	No	No	No
Whether or not visible flames after 3min. (Yes/No)	No	No	No
Whether fire blanket remain whole or not ignite during the test. (Yes/No)	Yes	Yes	Yes
Whether some fuel remain in the tray or not at the end of the test (Yes/No)	Yes	Yes	Yes

Sub-Conclusion: PASS

Clause 4.5.3 Cooking oil fire performance test

Test Requirement:

1. No visible flames 17 min after ignition.
2. Some fuel shall remain at the end of the test, that is, the fire shall be extinguished and not merely starved of fuel.
3. Cooking fire suppression blankets shall be capable of extinguishing the cooking oil fire
4. All three tests shall be successful and the fire blanket shall remain whole and not ignite during the test.

Test Results

Specimen No.	1	2	3
Auto ignition temperature of the oil (°C)	355	359	354
Heating time for auto ignition(min:s)	32min21s	32min36s	31min47s
Whether fire blanket ignites or not during the test.(Yes/No)	No	No	No
Whether or not visible flames after 17min.(Yes/No)	No	No	No



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中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园一号厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgsgroup.com.cn
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Whether fire blanket remain whole or not ignite during the test.(Yes/No)	Yes	Yes	Yes
Whether some oil remain in the tray or not at the end of the test (Yes/No)	Yes	Yes	Yes

Sub-Conclusion: PASS

Clause 5 Product and Package Marking

Test requirements	Results
5.1 Shipping Container—The shipping container shall include: 5.1.1 The manufacturer's or vendor's name and address, 5.1.2 The information specified in or wording which relates the fire towel to the container or the instruction sheet, or both, and 5.1.3 The number and date of this ASTM specification.	M
5.2 Fire Blanket Container—The cooking fire suppression blanket shall be packaged in such a manner that it is instantly identifiable for what it is and for instant removal in the event of an accidental cooking fire. There is no restriction on the means of packaging the blanket, but every container should be capable of either being installed on the kitchen walls or placed on countertops in the proximity of the cooking area and meet ease of removal criteria noted in 4.3.2.	M
5.3 Shipping or Instruction Sheet—Each shipping container, or instruction sheet, for fixing near to the storage position of the fire blanket, shall be marked with the following: 5.3.1 The words fire blanket on the front, 5.3.2 Instructions for use and mounting, preferably incorporating pictograms on the front, 5.3.3 Minimum time for removal from the fire of 20 min, 5.3.4 The manufacturer's or vendor's name and address, 5.3.5 The model or other identification of the fire blanket, 5.3.6 The size of the fire blanket, cooking fire suppression blankets shall be rectangular or square, with no edge less than 0.91 ± 0.05 m (36 ± 2 in.), 5.3.7 Indication that the fire blanket is not reusable and should be discarded after use, 5.3.8 Checking, maintenance and servicing instructions, including when to discard if damaged or contaminated, and 5.3.9 The designation and date of this ASTM specification.	M

Remark: M= meet; NM=not meet; N/A=Not applicable; N/C=Not conducted.



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SGS-CS Standards Technical Services (Shunde) Co., Ltd.
Shunde Branch

1-2F, Building 1, European Industrial Park, No.1, Shunhe South Road, Wusha, Daliang, Shunde District, Foshan, Guangdong, China 528300
中国·广东·佛山市顺德区大良街道办事处五沙社区居民委员会顺和南路1号欧洲工业园1号厂房首层、二层 邮编: 528300

t (86-757) 22805888 www.sgs.com.cn
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Photo Appendix:



Container A side

Container B side

Sample before test

Sample after test

End of Report



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