TAIZHOU ZHONGSHENG GLASS FIBER PRODUCTS CO., LTD.
INDUSTRIAL CONCENTRATION ZONE OF DALUN TOWN, JIANGYAN DISTRICT, TAIZHOU CITY JIANGSU PROVINCE, CHINA

Sample Description	:	FIRE BLANKET
Color	:	WHITE
Thickness	:	0.43mm
Composition	:	GLASS FIBER CLOTH
Order No.	:	33600725
Typ	:	17.993
Client Reference Info	:	DIEDRICH FILMER GMBH
Manufacturer	:	TAIZHOU ZHONGSHENG GLASS FIBER PRODUCTS CO., LTD.
Supplier	:	TAIZHOU ZHONGSHENG GLASS FIBER PRODUCTS CO., LTD.
Buyer	:	DIEDRICH FILMER GMBH
Country of Destination	:	GERMANY

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.

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Sample Receiving Date	:	Nov.06, 2023
Test Performing Date	:	Nov.06, 2023 to Nov.14, 2023

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	EN 1869: 2019 Fire blankets	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.

Scan to see the report
SDFS2311006636FF
Verification:
check.sgsonline.com.cn

Ada Liu
Approved signatory

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Test Conducted:

This test is conducted in accordance with EN 1869: 2019 Fire blankets

Sample Details:

Specimen Size	1.0 m×1.0 m
Specimen weight(without container)	0.36 kg
Exact number of sheet(s)	1
Number and type of hand holding devices	2 / Webbing
Location of marking for maintenance and folding	container

Precondition and Test Condition

	Temperature	Relative humidity	Duration
Precondition unfolded	(20±10)℃	(60±10) %	48h
Precondition folded	(20±10)℃	(60±10) %	24h
Test Condition	24.9℃	———	———

Clause 4 Construction

Test requirements	Results
4.2 The fire blanket shall be made of one or more sheets of material assembled together.	M
4.3 The size of each sheet shall be the same as the size of the entire blanket. The two sides shall be similar in performance.	M
4.4 There shall be no seams in the fire blanket except as follows: a) where the hand-holding devices are fixed; b) at any edge; c) applying layers together.	M
4.5 Hand holding devices shall: a) not comprise loops; b) be self-extinguishing after being subjected for 5 s to a gas flame located below at 2 cm from the material; c) not become detached from the fire blanket during any of the testing specified in this document.	M
4.6 Fire blankets shall be rectangular or square and no edge shall be less than 1,0 m and no more than 1,8 m. Only fire blankets of minimum size 1,2 m × 1,8 m are considered suitable for smothering persons whose clothes are on fire.	M
4.7 The total mass of any fire blanket (without its container) shall not exceed 4,5 kg.	M
4.8 A fire blanket shall be packed in a protective container. The container shall be designed, such that it does not damage the fire blanket at any time (during installation, inspection or use).	M
4.9 The container shall be fitted with a visible means of indicating whether the blanket is inside.	M
4.10 The edges of the fire blankets shall not fray or tear.	M
4.11 Protection against microorganism or insect should be taken into consideration, either through material treatment or via suitable container design.	M

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

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Clause 5 General performance

Test requirements	Results
5.2 Fire blankets shall be capable of being rolled completely around a (50 ± 2) mm diameter bar, and along any axes parallel to adjacent sides, without permanent deformation.	M
5.3 The force required to remove the fire blanket from the container fitted with its indicative device shall not exceed 80 N. When stowed or packed in the container in accordance with the manufacturer's instructions, it shall be possible for a fire blanket to be taken from the stowed position, unfolded and held ready for use in not more than 4 s.	M (60N, 3s)
5.4 The electrical resistance of the blanket material shall be not less than 1 MΩ at any point.	M (＞50 MΩ)
5.5 The edges of the fire blankets shall not fray or tear during any of the tests specified in Annexes A to D described in this standard.	M

Clause 6 Fire performance

Test 1

Test Requirement:

1. No visible flames after removal of the blanket
2. No re-ignition within 3 min of removal of the blanket
3. Some oil shall remain in the tray at the end of the test.
4. The blanket shall remain whole and not ignite during the test.

Test Results

Tested according to Annex C

Specimen No.	Orientation of Test Specimen	
	Side A	Side B
Auto ignition temperature of the oil (℃)	360	362
Heating time for auto ignition (min:s)	32min45s	32min39s
Whether fire blanket ignites or not during the test.(Yes/No)	No	No
Whether or not visible flames after removal of the blanket.(Yes/No)	No	No
Whether or not re-ignition within 3 minutes after removal of the blanket.(Yes/No)	No	No
Whether fire blanket remain whole or not ignite during the test.(Yes/No)	Yes	Yes
Whether some oil remain in the tray or not at the end of the test (Yes/No)	Yes	Yes

Conclusion: Pass

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Test 2

Test Requirement:

1. No visible flames after removal of the blanket
2. No re-ignition within 10s of removal of the blanket
3. After each test, a minimum of 5 mm of fuel shall remain.
4. The blanket shall remain whole and not ignite during the test.

Test Results

Tested according to Annex D

Specimen No.	Orientation of Test Specimen	
	Side A	Side B
Whether fire blanket ignites or not during the test. (Yes/No)	No	No
Whether or not visible flames after removal of the blanket. (Yes/No)	No	No
Whether or not re-ignition within 10 s after removal of the blanket. (Yes/No)	No	No
Whether fire blanket remain whole or not ignite during the test. (Yes/No)	Yes	Yes
After each test, a minimum of 5 mm of fuel shall remain. (Yes/No)	Yes	Yes

Conclusion: PASS

Clause 7 Marking

Test requirements	Results
7.1 All information and markings should be consistent and in plain language.	M
7.2 Each blanket shall be indelibly marked with the manufacturers or supplier's name and address, the number EN 1869 and CEN year of the CEN edition of this document and the model or type number.	M
7.3 The container shall be marked with the following in white lettering on a red background. The location and layout of the markings and their font style and contrast should be such that they are legible and understood by users when the container is fixed in position. Text shall be in at least one of the national languages of the country where the blanket is intended to be used. The following markings shall be visible when the container is fixed in position: a) the words FIRE BLANKET in upper case letters not less than 20 mm high; b) the number and year of the CEN edition of this document; c) model or type number; d) blanket size in metres by metres; e) incorporate pictograms and instructions for: 1) removal of fire blanket from container; 2) application on fires of flammable material: — "switch off heat"; — "cover burning material completely"; — "leave covered until cool"; 3) application of fire blankets suitable for smothering persons whose clothes are on fire (see 4.6):	M

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— Cover the victim with the blanket and smother the fire“ f) the instruction DISCARD AFTER USE, in upper case letters.	
7.4 Either the reverse of the container or a leaflet shall be marked with the following: a) instructions prescribing periodical inspection in accordance with the manufacturer recommendations; an annual inspection is recommended; b) folding instructions.	M
7.5 For its traceability, each fire blanket or container shall bear a batch number indication.	M

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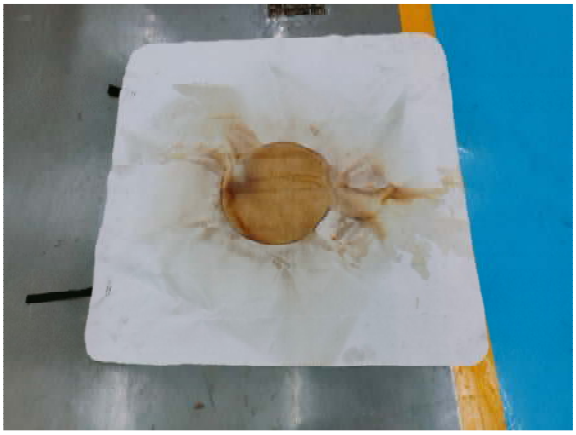
Remark: M=meet

Photo Appendix:

<table>
<tr><td>
Sample as receive</td><td> 
Sample after testing</td></tr>
<tr><td>

Container A Side</td><td>
Container B side</td></tr>
</table>

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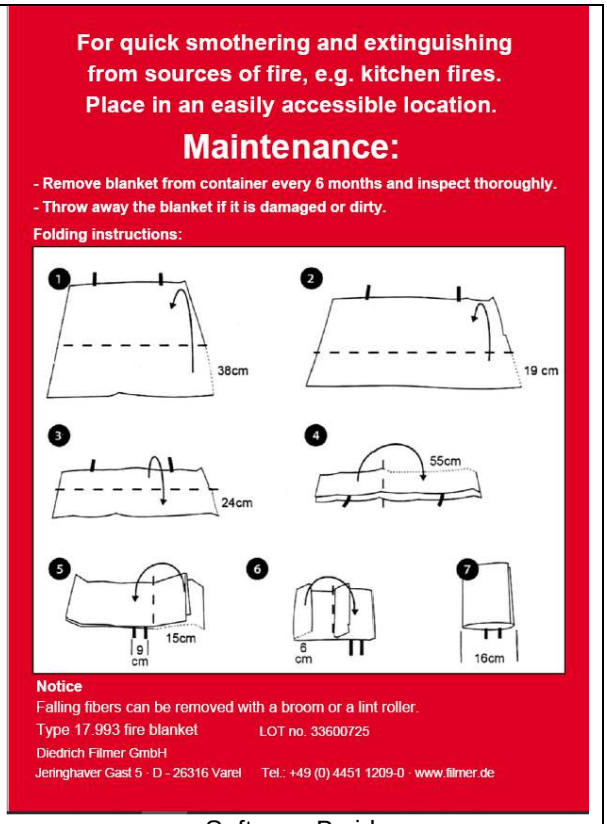
Softcopy A side



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End of Report

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