

Test Report

No.SDHL2011029074FB

Date: Nov 20, 2020

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Sample Description : KLEENSCREEN SOLAR SCREEN FABRIC

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. : SDFS2011007213FF
 Sample Receiving Date : Nov 09, 2020
 Test Performing Date : Nov 09, 2020 to Nov 20, 2020
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	CAN/ULC-S109-14-R2019 Standard method for flame tests of flame-resistant fabrics and films (Fold sample)	Refer to next page(s)	/

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

Heather Meng
 Authorized Signatory

scan to see the report



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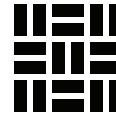


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Test Conducted:

CAN/ULC-S109-14- R2019 Standard method for flame tests of flame-resistant fabrics and films, is based on the small-flame test and the large-flame test (Fold sample).

Sample Details

Materials	Fabric
Weight	438g/m ²

Sample Preparation:

	Temperature	Relative humidity	Duration
Conditioning	(20±2)°C	(50±5) %RH	12 h

Test Results:

(1) Small-flame test-Initial test

Specimen No.	Damaged Length(mm)		Flame Time of portions or residues (s)	
	Lengthwise	Widthwise	Lengthwise	Widthwise
1	62	58	0.0	0.0
2	64	59	0.0	0.0
3	67	57	0.0	0.0
4	60	63	0.0	0.0
5	62	62	0.0	0.0
Average	61		0.0	

Sub-conclusion: Pass

(2) Large-flame test-Initial test

Specimen No.	Damaged Length(mm)		Flame Time of portions or residues (s)	
	Lengthwise	Widthwise	Lengthwise	Widthwise
1	192	194	0.0	0.0
2	197	195	0.0	0.0
Average	195		0.0	

Sub-conclusion: Pass

Performance Requirements:

Small-flame test

- Portions or residues of the material which break or drip from the test specimens shall not continue to flame for more than 2 s on the floor of the test cabinet.
- The vertical spread of flame and afterglow (smouldering combustion) on the material as indicated by the damaged length shall not exceed the values indicated in Table 1.

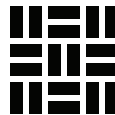


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Large-flame test

- a) Portions or residues of the material which break or drip from the test specimens shall not continue to flame for more than 2 s on the floor beneath the test enclosure.
- b) The surface spread of flame in folded specimens shall not exceed 635 mm above the tip of the test flame, but the afterglow may spread in the folds. This surface spread shall be measured as the distance from the tip of the test flame to a horizontal line above which all material is sound and in apparently original condition, except for possible smoke deposits.
- c) The vertical spread of flame and afterglow (smouldering combustion) in single-sheet specimens, as indicated by the damaged length above the tip of the test flame, shall not exceed 250 mm. The damaged length is the vertical distance from the tip of the test flame to a horizontal line above which all material is sound and in apparently original condition, except for possible smoke deposits.

Table 1
Damage length

Maximum Average Damaged Length (10 Specimens), mm	Maximum Damaged Length for Any Specimen, mm
165	190

Conclusion: PASS. The submitted sample, without being subject to cleaning and weathering conditions, complied with the performance requirement of CAN/ULC-S109-14- R2019.

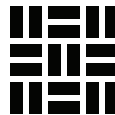


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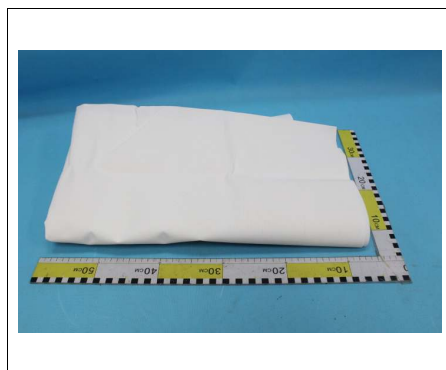
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Photo Appendix:



End of Report



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