

Details of sample

Sample Description / Color	Fabric / White
Area density	316 g/m ²
Products configuration	Single layer
Specimen size	250mm×90mm; 1200mm×625mm;1200mm×125mm

Cleaning and weathering procedure: None

Conditioning: Prior to testing, the sample was conditioned half an hour at 105°C±3°C.

1) Small-Flame Test
I. Test conducted

This test is conducted according to CAN/ULC-S109-2014(R2019) Flame Tests of Flame-Resistant Fabrics and Films clause 4.3 SMALL-FLAME TEST.

II. Test Results

Specimen No.		After flame time (s)	Afterglow time (s)	Damage length (mm)	Drops burning time (fall to the floor)
Lengthwise	1	0	0	102	0
	2	0	0	89	0
	3	0	0	94	0
	4	0	0	92	0
	5	0	0	95	0
Widthwise	6	0	0	104	0
	7	0	0	120	0
	8	0	0	93	0
	9	0	0	107	0
	10	0	0	112	0
Average		0	0	101	0

Sub-conclusion: [] Meets; [] Does not meet


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Small flame test performance requirements (Clause 6.1&6.2):

- 1). 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.
- 2). The vertical spread of flame and afterglow (smouldering combustion) on the material as indicated by the damaged length shall not exceed 165 mm of maximum average damaged length (10 specimens), and 190 mm of maximum damaged length for any specimen.
- 3). Fabrics or films for interior uses shall comply with the foregoing requirements after being subjected to ten cycles of the specific type or types of cleaning recommended by the manufacturer. Material indicated as being suitable for laundering or dry cleaning shall be subjected to the applicable requirements in Subsection 7.2, Laundering, and Subsection 7.3, Dry Cleaning.
- 4). Fabrics or films intended for exposure to the weather shall comply with the foregoing requirements after being subjected to the requirements in Subsection 7.4, Water Leaching, Subsection 7.5, Scrubbing, and Subsection 7.6, Accelerated Weathering.

2) Large-Flame Test

I. Test conducted

This test is conducted according to CAN/ULC-S109-2014(R2019) Flame Tests of Flame-Resistant Fabrics and Films, clause 4.4 LARGE-FLAME TEST.

II. Test Results

Specimen No. (Single-sheet specimen)	After flame time (s)	Afterglow time (s)	Damage length above the tip of the test flame (mm)	Drops burning time (fall to the floor)
Lengthwise	1	0	48	0
	2	0	45	0
	3	0	49	0
	4	0	42	0
	5	0	40	0
Widthwise	6	0	37	0
	7	0	42	0
	8	0	45	0
	9	0	50	0
	10	0	48	0
Average	0	0	49	0



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Specimen No. (Folded specimen)		After flame time (s)	Afterglow time (s)	Damage length above the tip of the test flame (mm)	Drops burning time (fall to the floor)
Lengthwise	1	0	0	52	0
	2	0	0	54	0
Widthwise	3	0	0	57	0
	4	0	0	54	0
Average		0	0	54	0

Sub-conclusion: [] Meets; [] Does not meet

Large-flame test performance requirements (Clause 6.1&6.3):

- 1). 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.
- 2). 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.
- 3). 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.
- 4). Fabrics or films for interior uses shall comply with the foregoing requirements after being subjected to ten cycles of the specific type or types of cleaning recommended by the manufacturer. Material indicated as being suitable for laundering or dry cleaning shall be subjected to the applicable requirements in Subsection 7.2, Laundering, and Subsection 7.3, Dry Cleaning.
- 5). Fabrics or films intended for exposure to the weather shall comply with the foregoing requirements after being subjected to the requirements in Subsection 7.4, Water Leaching, Subsection 7.5, Scrubbing, and Subsection 7.6, Accelerated Weathering.

STATEMENTS: 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.

Remark: The test method is not in CMA accredited scope. The test report shall only be used for client internal reference.



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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