

Test Report

Report No.: AJFS2208007099FF

Date: SEP.13, 2022

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FUZHOU JESSON ARTS&CRAFTS LLC.

SOUTH SIDE 1ST FLOOR, BUILDING 9#, NO.70 RUJIANG EAST RD, MAWEI TOWN, MAWEIDISTRICT, FUZHOU, FUJIAN, CHINA

Sample Description: 600D X 600D OXFORD FABRIC W/R PU F/R 1200MM

Color: WHITE

Density: 78T

Thickness: 0.28mm

Composition: POLYESTER

Style/Item No.: 600D WITH PU

Country of Destination: U.S.A

End Use Application: TENT

The above sample(s) 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 arising therefrom. Results apply to the sample as received.

Test Requested:

CPAI-84 A specification for flame-resistant materials used in camping tentage 2021 Revision.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : SEP.01, 2022

Test Performing Date : SEP.01, 2022 TO SEP.08, 2022

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch



Allen Zou
Approved Signatory

scan to see the report



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Sample Information

Tent type	Test method	Requirement
[] which have an area of <i>greater than 200</i> square feet in area or [] intended principally for commercial or industrial use	CPAI-84	Performance requirement: CPAI-84 Labeling requirement: CPAI-84
[<input checked="" type="checkbox"/>] intended principally for recreational use and having an area of <i>equal to or less than 200</i> square feet in area	ASTM F3431	Performance requirement: ASTM F3431 Labeling requirement: CPAI-84

Material Type (CPAI-84)	[] Wall and top material [] Flooring material
Material Type (ASTM F3431)	[<input checked="" type="checkbox"/>] Wall and top material [] Flooring material (That extend a distance of 305 mm or more up the side of a tent; These do not come into contact with the ground during use of the tent, such as flooring materials of suspended tents or tent cots) [] Flooring material (All other flooring materials, including flooring materials that extend up the side of a tent a distance of up to but not including 305 mm) [] Not clarify

Conclusion:

The tested sample **meets** the performance requirement of CPAI-84 A specification for flame-resistant materials used in camping tentage 2021 Revision.

Statement:

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.



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I. Test Conducted

The test was conducted in accordance with ASTM F3431-2021 Standard Specification for Determining Flammability of Materials for Recreational Camping Tents and Warning Labels for Associated Hazards, Vertical test (all materials).

Test method is according to sections 2~5 of CAN/CGSB-182.1-2020.

II. Test Specimen

Description	Oxford fabric
Color	White
Fabric weight	311 g/m ²
Size of specimen	305 mm × 70 mm

Conditioning:

[√] 72 Hours Water Leaching;

[√] Accelerated Weathering: Clause 5.2.2.4.4, UV Fluorescent and Condensation Method, 54 hours accelerated weathering.

Prior to testing, the specimens were conditioned at a temperature of (20±2) °C and a relative humidity of (65±5) % for a minimum of 12 h.

III. Test Result

Specimen No. (As received)	Damaged length (mm)		Flaming debris (Yes/No)	
	Lengthwise	Crosswise	Lengthwise	Crosswise
1	119	128	No	No
2	116	126	No	No
3	114	125	No	No
4	119	116	No	No
5	117	128	No	No
Average	121		0	
Number of specimens that exhibited flaming debris			0	



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Specimen No. (After leaching)	Damaged length (mm)		Flaming debris (Yes/No)	
	Lengthwise	Crosswise	Lengthwise	Crosswise
1	120	132	No	No
2	115	114	No	No
3	116	127	No	No
4	119	127	No	No
5	121	129	No	No
Average	122		0	
Number of specimens that exhibited flaming debris			0	

Specimen No. (After weathering)	Damaged length (mm)		Flaming debris (Yes/No)	
	Lengthwise	Crosswise	Lengthwise	Crosswise
1	117	129	No	No
2	124	135	No	No
3	127	119	No	No
4	128	127	No	No
5	119	121	No	No
Average	124		0	
Number of specimens that exhibited flaming debris			0	

Mass Loss

Specimen No. (As received)	Before test (g)		After test (g)		Mass loss (%)	
	Lengthwise	Crosswise	Lengthwise	Crosswise	Lengthwise	Crosswise
1	8.67	7.97	8.13	7.62	6.23	4.39
2	8.48	7.98	8.37	7.76	1.30	2.76
3	8.25	8.02	8.11	7.76	1.70	3.24
4	8.45	8.04	8.32	7.78	1.54	3.23
5	8.47	7.85	8.44	7.65	0.35	2.55
Average					2.7	



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Specimen No. (After leaching)	Before test (g)		After test (g)		Mass loss (%)	
	Lengthwise	Crosswise	Lengthwise	Crosswise	Lengthwise	Crosswise
1	8.46	8.04	8.21	7.82	2.96	2.74
2	8.52	8.09	8.14	7.97	4.46	1.48
3	8.49	8.11	8.31	7.92	2.12	2.34
4	8.48	8.10	8.26	7.86	2.59	2.96
5	8.53	8.12	8.14	7.91	4.57	2.59
Average					2.8	

Specimen No. (After weathering)	Before test (g)		After test (g)		Mass loss (%)	
	Lengthwise	Crosswise	Lengthwise	Crosswise	Lengthwise	Crosswise
1	8.55	8.04	8.36	7.86	2.22	2.24
2	8.42	8.09	8.25	7.93	2.02	1.98
3	8.40	8.11	8.20	7.96	2.38	1.85
4	8.45	8.14	8.24	7.85	2.49	3.56
5	8.43	8.16	8.23	7.84	2.37	3.92
Average					2.5	

Performance Requirement:

- Materials shall, at a minimum, meet the performance requirements for either damage length (5.2.1.1) or mass loss (5.2.1.2), as well as the criteria for flaming debris (5.2.1.3).

Average mass loss and average damage length shall not exceed the values shown in following Table for each state (as received, after leaching and after weathering).

Material mass per area g/m ²	Maximum average damage length mm	Maximum average mass loss %
[] More than 340	115	N/A
[✓] More than 270 but not more than 340	140	3.0
[] More than 200 but not more than 270	165	3.7
[] More than 135 but not more than 200	190	5.0
[] More than 100 but not more than 135	215	7.0
[] More than 50 but not more than 100	225	10.0
[] 50 or less	230	20.0

- Not more than three out of ten specimens shall exhibit flaming debris for each state (as received, after leaching and after weathering).



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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