



December 8, 2016

MARLEN TEXTILES
500 Orchard Street
New Haven, MO 63068

Reference: Laboratory Test Report
Lab Identification No. 22639
Invoice No. 53960

Dear Sir or Madam:

Attached are the test results on one (1) fabric sample, identified as **TOP GUN FR**. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used in Camping Tentage," (Wall and Top Material).

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 10.0 oz./sq. yd., the maximum average char length may not exceed 4.5 inches, with no individual specimen exceeding 10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

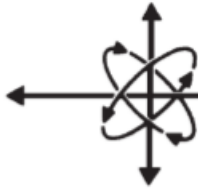
If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/pd





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CPAI 84
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Test Procedure: CPAI 84, "A Specification for Flame Resistant Materials
Used in Camping Tentage," Section 6, Wall and Top Material

Sample Identification: TOP GUN FR

ORIGINAL STATE

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	2.5	2.8
2	0.0	0.0	0.0	0.0	3.0	2.8
3	0.0	0.0	0.0	0.0	3.1	3.0
4	2.3	0.0	0.0	0.0	3.0	3.3
Avg.	0.3				2.9	

AFTER LEACHING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.0	2.6
2	6.5	0.0	0.0	0.0	3.0	2.0
3	0.0	0.0	0.0	0.0	2.6	2.5
4	0.0	0.0	0.0	0.0	2.6	2.4
Avg.	0.8				2.6	

AFTER ACCELERATED WEATHERING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	2.9	3.0
2	0.0	0.0	0.0	0.0	1.0	3.0
3	0.0	0.0	0.0	0.0	3.0	2.8
4	0.0	0.0	0.0	0.0	2.6	2.7
Avg.	0.0				2.6	

CONCLUSION: PASS