

**DIVERSIFIED**  
**TESTING LABORATORIES, INC.**  
WORLDWIDE SERVICE

“We Test Per Your Request”

336 WEST FRONT STREET  
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PHONE (336) 227-7710 • FAX (336) 227-1175  
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September 20, 2016

MARLEN TEXTILES  
500 Orchard Street  
New Haven, MO 63068

Reference: Laboratory Test Report  
Lab Identification No. 21688  
Invoice No. 52839

Dear Sir or Madam:

Attached are the test results on one (1) fabric sample, identified as **TOP GUN FR LITE**. 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 fabric sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 6.0 oz./sq. yd. but not over 8.0 oz./sq. yd., the maximum average char length may not exceed 6.5 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.

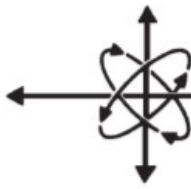
If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/pd





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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 LITE

**ORIGINAL STATE**

**Test Results**

<u>Specimen Number</u>	<u>After Flame (sec)</u>		<u>Residual Flame (sec)</u>		<u>Char Length (in)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	4.1	4.4
2	0.0	0.0	0.0	0.0	4.1	4.2
3	0.0	0.0	0.0	0.0	4.2	3.9
4	2.3	0.0	0.0	0.0	4.3	3.9
<b>Avg.</b>	<b>0.3</b>				<b>4.1</b>	

**AFTER LEACHING**

**Test Results**

<u>Specimen Number</u>	<u>After Flame (sec)</u>		<u>Residual Flame (sec)</u>		<u>Char Length (in)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	4.2	4.0
2	0.0	0.0	0.0	0.0	4.4	4.0
3	0.0	0.0	0.0	0.0	4.6	3.9
4	0.0	0.0	0.0	0.0	3.2	3.6
<b>Avg.</b>	<b>0.0</b>				<b>4.0</b>	

**AFTER ACCELERATED WEATHERING**

**Test Results**

<u>Specimen Number</u>	<u>After Flame (sec)</u>		<u>Residual Flame (sec)</u>		<u>Char Length (in)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	3.6	4.0
2	0.0	0.0	0.0	0.0	3.9	4.1
3	0.0	0.0	0.0	0.0	4.2	3.8
4	0.0	0.0	0.0	0.0	4.2	4.2
<b>Avg.</b>	<b>0.0</b>				<b>4.0</b>	

CONCLUSION: PASS