

DIVERSIFIED
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"We Test Per Your Request"

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August 12, 2021

Ms. Amanda Fowler
MERMET
5970 N. Main Street
Cowpens, SC 29330

Reference: Laboratory Test Report
Lab Identification No. 46772
Invoice No. 78057

Dear Ms. Fowler:

One (1) sample, identified as **T Screen 1%**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

<u>Test Results</u>		
<u>Specimen Number</u>	<u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (percent)
1	0.0	3.75
2	0.0	8.71
3	0.0	8.06
4	0.0	9.74
5	0.0	8.21
6	0.0	8.14
7	0.0	7.65
8	0.0	7.16
9	0.0	7.35
<u>10</u>	<u>0.0</u>	<u>6.68</u>
AVG	0.0	7.55

The fabric sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

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

Sincerely,

Brian S. Dement

BSD/mr



For the Account of: Mermet
5970 N Main St Cowpens SC 29330

Client's Identification: T SCREEN 3%

CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	27.0	23.2	14	0.0	0.0
2	27.1	24.9	8	0.0	0.0
3	27.3	24.0	12	0.0	0.0
4	27.3	23.7	13	0.0	0.0
5	27.1	22.1	18	0.0	0.0
6	27.1	24.9	8	0.0	0.0
7	27.3	20.4	25	0.0	0.0
8	27.3	19.0	30	0.0	0.0
9	27.4	21.4	22	0.0	0.0
10	27.5	21.4	22	0.0	0.0
Average	27.2	22.5	17	0.0	0.0

NOTES

Approximate weight (oz./sq. yd): 13.4

Standard Deviation: 7.4

Mean + 3 SD: 39.2

Product Configuration: ☒ Single Layer ☐ Multi Layer
Material Tested: Initially
Test Environment: 70 ±4°F, 50 ±5% Relative Humidity
Conditioning: ☐ Oven at 220°F (30 minutes) ☒ 70 ±4°F & 65 ±5%RH for 24 hours
Sampling: As Received
Intended End-use: Drapery

ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

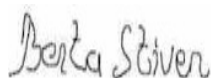
1. Drip burn (Flaming Drip) shall not exceed an average of 2 seconds per specimen for the sample of 10 specimens
2. Mass Loss shall not exceed 40% for the average of 10 specimens
3. Individual specimen mass loss shall not exceeds mean + 3 SD

CONCLUSION

Based on the above Results and Acceptance Criteria, the item tested:

- ☒ Complies
☐ Does Not Comply
☐ Testing of 10 additional specimens is required

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.



Authorized Signature

Date Order Completed: 05/06/2025