



# COMMERCIAL TESTING COMPANY

Post Office Box 985 • 1215 South Hamilton Street • Dalton, Georgia 30722

Telephone (706) 278-3935 • Facsimile (706) 278-3936

Report Number 07-02139

3G Mermet Corporation  
Cowpens, South Carolina

Test Number 3871-6190-0207R  
February 1, 2007

NFPA 701, Test 1

**Test Method:** The material was tested in accordance with the National Fire Protection Association method NFPA 701, *Standard Methods of Fire Tests for Flame Resistant Textiles and Films*, 2004 Edition, Test Method 1.

**Material Tested:**

Identification: I-8505-2500-2020-M Screen

Color: 2020 Linen Linen

Type Material: Solor Protection Fabric

Total Weight: 11.8 oz/yd<sup>2</sup>

**Test Data:**

Specimen	After Flame (seconds)	Flaming Dripping (seconds)	Percent Weight Loss
1	0	0	12.0
2	0	0	13.2
3	0	0	14.4
4	0	0	14.4
5	0	0	13.7
6	0	0	14.8
7	0	0	13.5
8	0	0	12.5
9	0	0	14.5
10	0	0	14.1
Mean	N/A	0.0	13.7

**Statistical Values:**

Standard Deviation = 0.93

Mean + 3 Standard Deviations = 16.5

**Acceptance Criteria:** A material passes the test if:

- the average Flaming Dripping time does not exceed 2.0 seconds;
- the mean Weight Loss of the ten specimens does not exceed 40%; and
- Weight Loss of an individual specimen does not exceed the Mean plus 3 Standard Deviations.
- The Afterflame time is not specified; it is shown for information purposes only.

**Test Result:** The material tested MEETS the requirements of NFPA 701-99, Test 1.

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(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.

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