



# Textile Testing

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Report Number: 30905

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For the Account Of: Carnegie Fabrics  
110 North Centre Avenue  
Rockville Centre, NY 11570  
Contact: Charles Griffin

Client's Identification: Solaris 4216

## Test Performed NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2004 – Test #1

### TEST DATA

Specimen #	Initial Mass(g)	Final Mass(g)	% Weight Loss	Flaming Drip Seconds	Afterflame Seconds
1	11.5	7.9	31%	0	0
2	11.5	8.3	28%	0	0
3	11.5	8.1	29%	0	0
4	11.5	8.0	31%	0	0
5	11.6	8.2	29%	0	0
6	11.6	8.6	26%	0	0
7	11.6	7.4	36%	0	0
8	11.5	8.4	27%	0	0
9	11.4	8.8	22%	0	0
10	11.4	7.8	32%	0	0
<b>Average</b>	<b>11.5</b>	<b>8.1</b>	<b>29%</b>	<b>0.0</b>	<b>0.0</b>

Approximate weight (oz./sq. yd): 5.648

Product Configuration:  Single Layer  Multi Layer

### ACCEPTANCE CRITERIA

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

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

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