



COMMERCIAL TESTING COMPANY

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Report Number 01-12246

Shield Industries, Inc.
Woodstock, Georgia

Test Number 3293-8460
December 17, 2001

NFPA 701. Test 1

Test Method: The material was tested in accordance with the National Fire Protection Association method NFPA 701, Standard Methods of Test for Flame Resistant Textiles and Films, 1999 Edition, Test Method 1.

Material Tested: The client submitted a sample of fabric identified as 100% cotton fabric treated with flame retardant. The fabric had a total weight of 4.2 ounces per square yard.

Test Data:

Specimen	After Flame (seconds)	Flame Dripping (seconds)	Percent Weight Loss
1	0	0	19.1
2	0	0	21.6
3	0	0	28.8
4	0	0	26.7
5	0	0	26.7
6	0	0	25.4
7	0	0	19.9
8	0	0	24.2
9	0	0	19.9
10	0	0	24.6
Mean	N/A	0.0	23.7

Statistical Values:

Standard Deviation = 3.37
Mean + 3 Standard Deviations = 33.8

Acceptance Criteria: A material passes the test if:

- The average Flame Dripping time does not exceed 2.0 seconds;
- The mean Weight Loss of 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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Jonathan Jackson

This report is provided for the use of the client 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 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 reference 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.