



Flame Safe Chemical Corporation  
SwRI Project No. 01-4510-159  
February 7, 1992  
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Section 1237.1  
12-sec. Vertical Bunsen Burner  
Test

TEST SPSCIEN AND NUMBER OF DETERMINATIONS

The specimens were described as 100% cotton mattress ticking with Fabric Safe flame retardant sprayed at a spread rate of 300 to 350 sq.ft/gallon. Each specimen was 3.0 x 12.5 in. (76.2 x 317.5 mm), nominal thickness 0.023 in. (0.584 mm). A minimum of three specimens were tested in each the machine direction (warp) and the across-machine directions (filling). The fabric was tested as received. No water extraction or accelerated weathering was performed.

TEST RESULTS

The test was conducted December 20 and 30, 1992 with the following results:

Machine Direction:

|                  | Run 1 | Run 2 | Run 3 | Average |
|------------------|-------|-------|-------|---------|
| Char Length, in. | 4.00  | 3.38  | 2.63  | 3.34    |
| Afterflame, sec. | 0     | 0     | 0     | 0       |

Across-Machine Direction:

|                  | Run 1 | Run 2 | Run 3 | Average |
|------------------|-------|-------|-------|---------|
| Char Length, in. | 3.75  | 2.75  | 2.75  | 3.08    |
| Afterflame, sec. | 0     | 0     | 0     | 0       |

The material, when tested in the "as received" condition (no accelerated weathering or water extraction) in accordance with Section 1237.1 of Section 1237.1 of Title 19 - Public Safety, of the Health and Safety Code, regulations from the California Administrative Code (12-Second Vertical Bunsen Burner Test), is considered to have passed.

If you should have any questions/comments or if we can be of further assistance, please contact us.

Sincerely,

Approved by:

*Grays M. Finley*  
Grays M. Finley  
Project Leader  
Fire Testing Services

*Alex B. Wenzel*  
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Department of Fire Technology

GMF/rr