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## CENTRAL LABORATORY REPORT

Report Date	3/23/2021	Reference Test Report	R-200930-73784	
Selling Division	Shaw Contract	Style Number	5A299	Belief ULTMB

### Test Method

**ASTM D2859 - Ignition Characteristics of Finished Textile Floor Covering Materials**  
**16 Code of Federal Regulations (CFR) Part 1630 (FF 1-70)**

### Test Overview

Eight test specimens (9 by 9 inches) are cut from the test material across the machine roll width, cleaned with a vacuum and conditioned. Test specimens are numbered sequentially from left to right. Test specimens are placed in an oven permitting free circulation of air at 105 +/- 2 degrees Celsius for 2 hours in order to fully dry the specimens. Test specimens are then removed from the oven and placed in a desiccator until they reach room temperature for testing. Test specimen is removed and placed on a horizontal plane with the pile side upright. A steel frame aligned with the edges of the specimen and placed on top of the specimen. A methenamine tablet "Pill" is placed flat on the center of the test specimen and ignited with a flame carefully to avoid contact with the test specimen. The specimen is allowed to burn until it self-extinguished or until the flame reaches the edge of the steel frame. Once each of the eight test specimens are tested, they are evaluated to determine if the test specimen passed or failed. An individual test specimen passes if the distance from the charred portion of the test specimen to the steel frame is greater than one inch.

### Test Results

Test Location	Distance (inches)
Test Specimen 1 (inches)	3.50
Test Specimen 2 (inches)	3.50
Test Specimen 3 (inches)	3.50
Test Specimen 4 (inches)	3.50
Test Specimen 5 (inches)	3.50
Test Specimen 6 (inches)	3.50
Test Specimen 7 (inches)	3.50
Test Specimen 8 (inches)	3.50
Specimens Passed	8 of 8
FF-1-70 Criteria	Meets

### Result Interpretation

This test uses a methenamine tablet is commonly referred to as a "pill" or "tablet" test. Test material is considered to PASS if 7 out of 8 test specimens meet the PASS criteria. **PASS Criteria** - The distance from the closest charred edge of the test specimen to the steel frame must be equal to or greater than one inch. The United States Consumer Product Safety Commission's (CPSC) requires at least 7 of 8 test specimens to pass the test criteria in order to meet the requirements of Title 16, Code of Federal Regulations, Chapter II Subchapter D, Part 1630 Standard for the Surface Flammability of Carpets and Rugs (FF 1-70). ASTM method D2859 is consistent with the CPSC requirements.

### Deviations from Standard Test Method

None

Approval:

  
Physical Lab Manager/ Technical Services Division



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