



Designation: F 1534 – 9600

Standard Test Method for Determining Changes in Fire-Test-Response Characteristics of Cushioning Materials After Water Leaching¹

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1. Scope

1.1 This fire-test-response test method covers a procedure for leaching cushioning materials with water and determining changes in two specific fire-test-response characteristics: (1) the surface flammability, per Test Method D 3675 and (2) the specific optical density of smoke generated, per Test Method E 662.

1.2 *This standard ~~should be~~ is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions and ~~should~~ conditions, but does not ~~be used to describe or appraise the~~ by itself incorporate all factors required for fire hazard or fire risk assessment of the materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire hazard or fire risk assessment which takes into account all of the factors that are pertinent to an assessment of the fire hazard or fire risk of a particular end use*

1.3 In view of the wide variation in potential service conditions, it is likely that results of this leaching test will not give a direct correlation with service performance for all applications. However, the test method yields comparative data on which to base judgments as to expected service of cushioning materials and is useful in research and development work.

1.4 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* For specific precautionary statements, see Section 7.

2. Referenced Documents

2.1 ASTM Standards:

D 3675 Test Method for Surface Flammability of Flexible Cellular Materials Using a Radiant Heat Energy Source²

¹ This test method is under the jurisdiction of ASTM Committee F33 on Detention and Correctional Facilities and is the direct responsibility of Subcommittee F33.05 on Furnishings and Equipment.

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