



Designation: D5432 – 12

Standard Performance Specification for Blanket Products for Institutional and Household Use¹

This standard is issued under the fixed designation D5432; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers the evaluation of specific performance characteristics of importance in thermal woven, conventional woven, flocked, nonwoven, and knitted blanket products for use in institutional and household environments.

1.2 This specification may be used by mutual agreement between the purchaser and the supplier to establish purchasing specification requirements.

1.3 The requirements in **Table 1** apply to the length and width directions for those properties where fabric direction is pertinent.

1.4 This specification does not include requirements for electric blankets. Electric blankets are specified under UL 964 requirements dictated by the Underwriter's Laboratories.

1.5 *This standard does not purport to address all of the safety problems, 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.*

2. Referenced Documents

- 2.1 *ASTM Standards:*²
- D123 Terminology Relating to Textiles
 - D2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics
 - D2905 Practice for Statements on Number of Specimens for Textiles (Withdrawn 2008)³
 - D3136 Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products
 - D3786 Test Method for Bursting Strength of Textile

- Fabrics—Diaphragm Bursting Strength Tester Method
 - D4151 Test Method for Flammability of Blankets
 - D5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
 - D6797 Test Method for Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test
 - D7023 Terminology Relating to Home Furnishings
- 2.2 *AATCC Methods:*⁴
- 8 Colorfastness to Crocking: Crockmeter Method
 - 16 Option 3 Colorfastness to Light: Xenon-Arc Lamp, Continuous Light
 - 61 Colorfastness to Laundering: Accelerated
 - 88B Smoothness of Seams in Fabrics after Repeated Home Laundering
 - 96 Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool
 - 97 Extractable Content of Textiles
 - 116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method
 - 132 Colorfastness to Drycleaning
 - 135 Dimensional Changes of Fabrics after Home Laundering
 - Evaluation Procedure 1 Gray Scale for Color Change
 - Evaluation Procedure 2 Gray Scale for Staining
 - Evaluation Procedure 8 AATCC 9-Step Chromatic Transference Scale
- 2.3 *UL Standard:*⁵
- UL 964 Electrically Heating Bedding

NOTE 1—Reference to test methods in this specification give only the pertinent part of the designation of ASTM, AATCC, or other test methods. The current edition of each test method shall prevail.

3. Terminology

3.1 Definitions:

3.1.1 For all terminology related to Home Furnishings see Terminology D7023.

3.1.2 The following terms are relevant to this standard: blanket, for bedding.

¹ This specification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.63 on Home Furnishings.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Research Triangle Park, NC 27709.

⁵ Available from Underwriter's Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062-0296.