



Standard Specification for Woven and Warp Knitted Comforter Fabrics¹

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1. Scope

1.1 This specification covers woven and warp knitted comforter fabrics, composed of any textile fiber, or mixture of fibers.

1.2 These requirements apply to the length and width directions for those properties where fabric direction is pertinent.

1.3 The following safety hazards caveat pertains only to the test methods described in this specification: *This standard may involve hazardous materials, operations, and equipment. 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.*

2. Referenced Documents

2.1 ASTM Standards:

- D 123 Terminology Relating to Textiles²
- D 1424 Test Method for Tear Resistance of Woven Fabrics by Falling-Pendulum (Elmendorf) Apparatus²
- D 1682 Test Methods for Breaking Load and Elongation of Textile Fabrics²
- D 2261 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single-Rip) Method (Constant-Rate-of-Extension Tensile Testing Machine)²
- D 2262 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single-Rip) Method (Constant-Rate-of-Traversal Tensile Testing Machine)²
- D 2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics²
- D 2905 Practice for Statements on Number of Specimens for Textiles²
- D 3786 Test Method for Hydraulic Bursting Strength of Knitted Goods and Nonwoven Fabrics—Diaphragm Bursting Strength Tester Method³
- D 3787 Test Method for Bursting Strength of Knitted

Goods—Constant-Rate-of-Traversal (CRT) Ball Burst Test³

2.2 AATCC Methods:⁴

- 8 Colorfastness to Crocking: AATCC Crockmeter Method
- 16A Colorfastness to Light: Carbon-Arc-Lamp, Continuous Light
- 16E Colorfastness to Light: Water-Cooled Xenon-Arc Lamp, Continuous Light
- 23 Colorfastness to Burnt Gas Fumes
- 61 Colorfastness to Washing, Domestic, and Laundering, Commercial: Accelerated
- 116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method
- 124 Appearance of Durable Press Fabrics After Repeated Home Launderings
- 132 Colorfastness to Drycleaning
- 135 Dimensional Changes in Automatic Home Laundering of Durable Press Woven or Knit Fabrics
- AATCC Evaluation Procedure 1 Gray Scale for Color Change
- AATCC Evaluation Procedure 2 Gray Scale for Staining
- AATCC Evaluation Procedure 3 Chromatic Color Transference Scale

NOTE 1—References to test methods in this standard give only the permanent part of the designation of ASTM, AATCC, or other test methods. The current editions of each test method cited shall prevail.

3. Terminology

3.1 Definitions:

3.1.1 *comforter, n*—a bed covering assembly, consisting of an insulating filler secured between two layers of fabric, used primarily to reduce heat loss.

3.1.2 *fill leakage, n*—in *comforters*, either partial or total penetration of the stuffing material through the outer or face fabric.

3.1.3 For definitions of other textile terms used in this specification, refer to Terminology D 123, and the Technical Manual of the American Association of Textile Chemists and Colorists.

¹ This specification is under the jurisdiction of ASTM Committee D-13 on Textiles and is the direct responsibility of Subcommittee D13.56 on Performance Standards for Textile Fabrics.

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² *Annual Book of ASTM Standards*, Vol 07.01.

³ *Annual Book of ASTM Standards*, Vol 07.02.

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