



Designation: D4037-95 (Reapproved 2001) Designation: D 4037 - 02 (Reapproved 2008)

Standard Performance Specification for Woven, Knitted, or Flocked Bedspread Fabrics¹

This standard is issued under the fixed designation D 4037; 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 performance specification covers the performance requirements for woven, knitted, or flocked fabrics to be used in the manufacturing of bedspreads.

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

1.3 *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:²

D 123 Terminology Relating to Textiles

~~D1336 Test Method for Distortion of Yarn in Woven Fabrics²~~

D 1424 Test Method for ~~Tear Resistance~~ Tearing Strength of Woven Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus

~~D1682 Test Methods for Breaking Load and Elongation of Textile Fabrics²~~

~~D2262 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Transpose Tensile Testing Machine)²~~ 2261 Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)

D 2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics²

~~D2905 Practice for Statements on Number of Specimens for Textiles²~~ Test Methods for Bonded, Fused, and Laminated Apparel Fabrics

~~D 3786 Test Method for Hydraulic Bursting Strength of Knitted Goods and Nonwoven Fabrics—Diaphragm Bursting Strength Tester Method— Test Method for Bursting Strength of Textile Fabrics~~ Diaphragm Bursting Strength Tester Method

D 3787 Test Method for Bursting Strength of Knitted Goods—Constant-Rate-of-Transpose (CRT) Ball Burst Test³— Test Method for Bursting Strength of Textiles Constant-Rate-of-Transpose (CRT) Ball Burst Test

D 5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

2.2 AATCC Methods:³

~~8-1977~~ 8 Colorfastness to Crocking: AATCC Crockmeter Method

~~16-1977~~

16 Colorfastness to Light

~~23-1975~~

23 Colorfastness to Burnt Gas Fumes

~~61-1975 Colorfastness to Washing, Domestic and Laundering, Commercial: Accelerated~~ 61 Colorfastness to Laundering, Home and Commercial: Accelerated

~~96-1975~~

96 Dimensional Changes in Laundering of Woven and Knitted Textiles Except Wool

~~H6-1977~~ 116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method

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. Current edition approved May 15, 1995. Published July 1995. Originally published as D4037-81. Last previous edition D4037-81(1990) ϵ 1.

² This performance 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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³ 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*, Vol 07.01, volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ Annual Book of ASTM Standards, Vol 07.02.

⁵ Available from American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Research Triangle Park, NC 27709, <http://www.aatcc.org>.

~~124-1978 Appearance of Durable Press Fabrics After Repeated Home Launderings~~ 124 Appearance of Fabrics After Repeated Home Launderings

~~132-1976~~ 132 Colorfastness to Drycleaning

~~135-1978 Dimensional Changes in Automatic Home Laundering of Woven or Knit Fabrics~~ 135 Dimensional Changes in Automatic Home Laundering of Woven or Knit Fabrics

172 Colorfastness to Non-Chlorine Bleach in Home Laundering

188 Colorfastness to Sodium Hypochlorite Bleach in Home Laundering

Evaluation Procedure 1 Gray Scale for Color Change

Evaluation Procedure 2 Gray Scale for Staining

Evaluation Procedure 38 AATCC 9–Step Chromatic Transference Scale

NOTE 1—Reference to test methods in this specification 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 *Definition:*

3.1.1 *bedspread*—a type of bedcovering that is placed over the blankets and sheets for appearance and warmth.

3.2 For definitions of textile terms used in this specification, refer to the individual ASTM and AATCC test methods and to Terminology D123.

4. Specification Requirements

~~4.1 The properties of woven, knitted, or flocked bedspread fabrics shall conform to the specification requirements in Table 1~~

3.2 For definitions of textile terms used in this specification, refer to the individual ASTM and AATCC test methods and to Terminology D 123.

5.

4. Significance and Use

~~5.1 Upon mutual agreement between the purchaser and the seller, fabrics intended for this end use should meet all of the requirements listed in~~

4.1 Fabrics intended for this end-use should meet all of the requirements listed in Table 1.

~~5.2 It is recognized that for purposes of fashion or aesthetics the ultimate consumer of articles made from these fabrics may find acceptable fabrics that do not conform to all of the requirements in~~

4.2 It should be recognized that fabrics can be produced with an almost infinite number of construction variables (for example, type of fibers, percentage of fibers, yarn twist, yarn number, warp and pick count, chemical and mechanical finishes). Additionally, fashion or aesthetics dictate that the ultimate consumer may find acceptable articles made from fabrics that do not conform to all of the requirements in Table 1. Therefore, one or more of the requirements listed in Table 1 may be modified by mutual agreement between the purchaser and the seller.

~~5.2.1 In such cases, any references to the specification shall specify that: "This fabric meets ASTM Specification D4037 except for the following characteristic(s)."~~

~~5.3 Where no prepurchase agreement has been reached between the purchaser and the seller, and in case of controversy, the requirements listed in Table 1 are intended to be used as a guide only. As noted in 5.2, ultimate consumer demands dictate varying performance parameters for any particular style of fabric.~~

~~5.4 The significance and uses of particular properties and test methods are discussed in the appropriate sections of the specified test methods.~~

6. Sampling

~~6.1 Perform tests on the fabric as it will reach the user.~~

~~6.2 Unless otherwise agreed upon, as when specified in an applicable material specification, take the number of specimens directed in each of the applicable test methods.~~

~~6.2.1 If there has been no prior agreement and the test method does not specify the number of specimens, use the procedures in Practice D2905 to determine the number of specimens, such that the user may expect at the 95% probability level that the test result is not more than 5% of the average above or below the lot average (that is, the average that would be obtained by applying this method to the entire lot) when using a reliable estimate of variability of individual observations on similar materials in the user's laboratory under conditions of single-operator precision.~~

7. Test Methods

~~7.1 *Breaking Strength (load) (woven fabrics only)*—Determine the breaking strength (load), as directed in the grab test of Test Methods D1682 using a constant-rate-of-traverse (CRT) tensile testing machine with the speed of the pulling jaw at 305 ± 13 mm (12 ± 0.5 in.)/min.~~