



Standard Performance Specification for Women's and Girls' Knitted and Woven Brassiere Fabrics¹

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1. Scope

1.1 This performance specification covers woven and knitted fabrics comprised of any fiber or mixture of fibers used in women's and girls' brassieres.

1.2 This performance specification is not applicable to knitted or woven brassiere fabrics containing elastomeric yarns, to knitted lace fabrics, and to fabrics used for interlinings.

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

2. Referenced Documents

2.1 ASTM Standards:

D 123 Terminology Relating to Textiles²

D 434 Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam²

D 1424 Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus²

D 1682 Test Methods for Breaking Load and Elongation of Textile Fabrics³

D 2261 Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (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-Traverse Tensile Testing Machine)⁴

D 3786 Test Method for Hydraulic Bursting Strength of Knitted Goods and Nonwoven Fabrics: Diaphragm Bursting Strength Tester Method⁵

D 3787 Test Method for Bursting Strength of Knitted Goods: Constant-Rate-of-Traverse (CRT) Ball Burst Test⁵

2.2 AATCC Methods:⁶

8 Colorfastness to Crocking: AATCC Crockmeter Method
15 Colorfastness to Perspiration

16 Colorfastness to 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

172 Colorfastness to Non-chlorine Bleach in Home Laundering

188 Colorfastness to Chlorine Bleach in Home Laundering Evaluation Procedure 1 Gray Scale for Color Change Evaluation Procedure 2 Gray Scale for Staining Evaluation Procedure 3 AATCC Chromatic Transference Scale

2.3 Federal Standard:⁷

16 CFR, Chapter II-Consumer Product Safety Commission Subchapter D-Flammable Fabrics Act Regulations

2.4 Military Standard:⁸

MIL-STD-105D Sampling Procedures and Tables for Inspection by Attributes

NOTE 1—Reference 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 For definitions of textile terms used in this specification refer to the individual ASTM and AATCC test methods and to Terminology D 123.

3.2 Definitions found in a dictionary of common terms are suitable for this specification.

4. Specification Requirements

4.1 The properties of knitted and woven fabrics for women's and girls' brassieres shall conform to the specification requirements in Table 1.

¹ This performance specification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.61 on Apparel. Current edition approved May 10, 2001. Published July 2001. Originally published as D 4233 – 83. Last previous edition D 4233 – 95.

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

³ Discontinued; see 1990 *Annual Book of ASTM Standards*, Vols 07.01.

⁴ Discontinued; see 1994 *Annual Book of ASTM Standards*, Vols 07.01.

⁵ Discontinued; see 1994 *Annual Book of ASTM Standards*, Vol 07.02.

⁶ Available from the American Association of Textile Chemists and Colorists, P.O. Box 12215, Research Triangle Park, NC 27709.

⁷ Available from Superintendent of Documents, Government Printing Office, Washington, DC 20402.

⁸ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.