



Standard Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics¹

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1. Scope

1.1 This specification covers the performance requirements for woven fabrics for men's and women's dress and vocational career apparel.

1.2 This specification is not applicable to career apparel fabrics 3.1.1.2 that do not patently fit the categories in 3.1.1.1 and 3.1.2. Performance specifications for such fabrics should be as agreed to between the purchaser and the seller. This specification is not applicable to overcoat or topcoat uniform fabrics.

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

1.4 *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 434 Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam²
- D 1424 Test Method for Tear Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus²
- D 2261 Test Method for Tearing Strength of Fabrics by the Tongue (Single-Rip) Procedure (Constant-Rate-of-Extension 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)³
- D 2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics²
- D 2905 Practice for Statements on Number of Specimens for Textiles²
- D 5034 Test Method for Breaking Strength and Elongation

of Textile Fabrics (Grab Test)⁴

2.2 AATCC Test Methods:⁵

- 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 Change in Automatic Home Laundering of Woven or Knit Fabrics
- 172 Colorfastness to Non-chlorine Bleach in Home Laundering
- 188 Colorfastness to Chlorine Bleach in Home Laundering

Evaluation Procedure 1 AATCC Gray Scale for Color Change

Evaluation Procedure 2 AATCC Gray Scale for Staining

Evaluation Procedure 3 AATCC Chromatic Transference Scale

2.3 Federal Standard:⁶

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

2.4 Military Standard:⁷

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 *career apparel, n.*—garments, usually of a specified

¹ This specification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.61 on Apparel.

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

³ Discontinued; see 1994 *Annual Book of ASTM Standards*, Vol 07.01.

⁴ *Annual Book of ASTM Standards*, Vol 07.02.

⁵ AATCC Technical Manual, available from the American Association of Textile Chemists and Colorists, P. O. Box 12215 Research Triangle Park, NC 27709.

⁶ Available from Superintendent of Documents, Government Printing Office, Washington, DC 20402.

⁷ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.