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Standard Terminology Relating to Textiles¹

This standard is issued under the fixed designation D 123; 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 reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope

1.1 This standard is the compilation of all terminology developed by Committee D-13 on Textiles.

1.1.1 This terminology, consists mostly of definitions, which are specific to the textile industry. Meanings of the same terms used outside the textile industry can be found in other compilations or in dictionaries of general usage.

1.1.2 The specific D13 subcommittee which has jurisdictional responsibility for every item is the first attribution noted after the definition. The standards in which the terms and definitions appear are listed by number after the jurisdiction for the term. The wording of an entry cannot be changed without the approval of the subcommittee which has jurisdiction and subcommittee D13.92 on Terminology. See 1.2, 1.3, 1.4.

1.2 In addition to being a specialized dictionary, Terminology D 123 is also a tool for managing the committee's terminology. This includes finding, eliminating, and preventing redundancies, that is, where two or more terms relating the same concept are defined in different words. Redundancies can also occur when one definition is used for two or more terms.

1.3 While the review for clarity and form are the responsibility of the terminology subcommittee, the concept of managing terminology is the broad responsibility of every writer of standards, specifically the task group leader and subcommittee chairman.

1.4 Subsequent to a listing of specific subcommittee compilations, this standard is comprised of the following sections that are listed in the order in which they appear.

1.4.1 Alphabetical listing of terms and respective definitions.

1.4.2 Ready reference guide.

1.4.3 Annex A1 Generic names and definitions of manufactured fibers.

1.4.4 Annex A2 Classification of manufactured and natural fibers.

1.4.5 Annex A3 Terms relating to the hand of fabrics.

1.4.6 Annex A4 Terminology revision procedures.

1.4.7 Annex A5 Industry accepted synonyms.

1.4.8 Appendix X1 Other sources of textile terminology.

2. Referenced Documents

2.1 *ASTM Standards*:²

D 76 [Specification for Tensile Testing Machines for Textiles](#)

D 122 [Tolerances for Tire Fabrics Other Than Tire Cord Fabric](#)³

D 204 [Test Methods for Sewing Threads](#)

D 276 [Test Methods for Identification of Fibers in Textiles](#)

D 418 [Methods of Testing Pile Yarn Floor Covering Construction](#)⁰

D 519 [Test Method for Length of Fiber in Wool Top](#)

D 434 [Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam](#)

D 461 [Test Methods for Felt](#)

D 519 [Test Method for Length of Fiber in Wool Top](#)

D 578 [Specification for Glass Fiber Strands](#)

D 579 [Specification for Greige Woven Glass Fabrics](#)

D 541 [Specification for Single Jute Yarn](#)⁰

D 580 [Specification for Greige Woven Glass Tapes and Webbing](#)

D 581 [Specification for Glass Fiber Greige Braided Tubular Slewing](#)

¹ This terminology is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.92 on Terminology.

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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 Withdrawn.

- D 584 Test Method for Wool Content of Raw Wool Laboratory Scale
- D 629 Test Methods for Quantitative Analysis of Textiles
- D 737 Test Method for Air Permeability of Textile Fabrics
- D 861 Practice for Use of the Tex System to Designate Linear Density of Fibers, Yarn Intermediates, and Yarns
- D 885 Test Methods for Tire Cords, Tire Cord Fabrics, and Industrial Filament Yarns Made from Manufactured Organic-Base Fibers
- D 1059 Test Method for Yarn Number Based on Short-Length Specimens
- D 1060 Practice for Core Sampling of Raw Wool in Packages for Determination of Percentage of Clean Wool Fiber Present
- D 1113 Test Method for Vegetable Matter and Other Alkali-Insoluble Impurities in Scoured Wool
- D 1117 Guide for Evaluating Nonwoven Fabrics
- D 1224 Test Methods for Zinc and Cadmium in Paper
- D 1230 Test Method for Flammability of Apparel Textiles
- D 1233 Specification for Twine Made for Bast and Leaf Fiber⁰
- D 1234 Test Method of Sampling and Testing Staple Length of Grease Wool
- D 1244 Practice for Designation of Yarn Construction
- D 1282 Test Method for Resistance to Airflow as an Indication of Average Fiber Diameter of Wool Top, Card Sliver, and Scoured Wool
- D 1283 Test Method for Alkali-Solubility of Wools
- D 1294 Test Method for Tensile Strength and Breaking Tenacity of Wool Fiber Bundles 1-in. (25.4-mm) Gage Length
- D 1319 Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption
- D 1334 Test Method for Wool Content of Raw Wool Commercial Scale
- D 1335 Test Method for Tuft Bind of Pile Yarn Floor Coverings
- D 1388 Test Method for Stiffness of Fabrics
- D 1422 Test Method for Twist in Single Spun Yarns by the Untwist-Retwist Method
- D 1423 Test Method for Twist in Yarns by Direct-Counting
- D 1424 Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus
- D 1425 Test Method for Unevenness of Textile Strands Using Capacitance Testing Equipment
- D 1440 Test Method for Length and Length Distribution of Cotton Fibers (Array Method)
- D 1441 Practice for Sampling Cotton Fibers for Testing
- D 1442 Test Method for Maturity of Cotton Fibers (Sodium Hydroxide Swelling and Polarized Light Procedures)
- D 1445 Test Method for Breaking Strength and Elongation of Cotton Fibers (Flat Bundle Method)
- D 1447 Test Method for Length and Length Uniformity of Cotton Fibers by Photoelectric Measurement
- D 1448 Test Method for Micronaire Reading of Cotton Fibers
- D 1464 Test Method for Differential Dyeing Behavior of Cotton
- D 1518 Test Method for Thermal Transmittance of Textile Materials
- D 1574 Test Method for Extractable Matter in Wool and Other Animal Fibers
- D 1575 Test Method for Fiber Length of Wool in Scoured Wool and in Card Sliver
- D 1576 Test Method for Moisture in Wool by Oven-Drying
- D 1577 Test Methods for Linear Density of Textile Fibers
- D 1578 Test Method for Breaking Strength of Yarn in Skein Form
- D 1682 Methods of Test for Breaking Load and Elongation of Textile Fabrics⁰
- D 1683 Test Method for Failure in Sewn Seams of Woven Apparel Fabrics
- D 1684 Practice for Lighting Cotton Classing Rooms for Color Grading
- D 1770 Test Method for Neps, Vegetable Matter, and Colored Fiber in Wool Top
- D 1774 Test Methods for Breaking Load and Elongation of Textile Fabrics⁰
- D 1775 Test Method for Tension and Elongation of Wide Elastic Fabric⁰
- D 1776 Practice for Conditioning and Testing Textiles
- D 1777 Test Method for Thickness of Textile Materials
- D 1769 Method of Test for Linear Density of Cotton Fibers (Array Sample)⁰
- D 1871 Test Method for Adhesion Between Tire Bead Wire and Rubber
- D 1877 Method of Test for Permanence of Adhesive-Bonded Joints in Plywood Under Mold Conditions⁰
- D 1907 Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method
- D 1908 Test Method for Needle Related Damage Due to Sewing in Woven Fabrics⁰
- D 1909 Standard Table of Commercial Moisture Regains for Textile Fibers
- D 2050 Terminology Relating to Subassemblies
- D 2101 Test Method for Tensile Properties of Single Man-Made Textile Fibers Taken From Yarns and Tows
- D 2102 Test Method for Shrinkage of Textile Fibers (Bundle Test)
- D 2118 Practice for Assigning a Standard Commercial Moisture Content for Wool and its' Products

- D 2130 Test Method for Diameter of Wool and Other Animal Fibers by Microprojection
- D 2165 Test Method for pH of Aqueous Extracts of Wool and Similar Animal Fibers
- D 2229 Test Method for Adhesion Between Steel Tire Cords and Rubber
- D 2252 Specification for Fineness of Types of Alpaca
- D 2253 Test Method for Color of Raw Cotton Using the Nickerson-Hunter Cotton Colorimeter⁰
- D 2255 Test Method for Grading Spun Yarns for Appearance
- D 2256 Test Method for Tensile Properties of Yarns by the Single-Strand Method
- D 2257 Test Method for Extractable Matter in Textiles
- D 2258 Practice for Sampling Yarn for Testing
- D 2259 Test Method for Shrinkage of Yarns
- D 2260 Tables of Conversion Factors and Equivalent Yarn Numbers Measured in Various Numbering Systems
- D 2261 Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)
- D 2262 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Traverse Tensile Testing Machine)⁰
- D 2401 Methods of Test for Service Change of Appearance of Pile Floor Coverings⁰
- D 2402 Test Method for Water Retention of Textile Fibers (Centrifuge Procedure)
- D 2462 Test Method for Moisture in Wool by Distillation With Toluene
- D 2480 Test Method for Maturity Index and Linear Density of Cotton Fiber by the Causticaire Method⁰
- D 2475 Specification for Felt
- D 2494 Test Method for Commercial Mass of a Shipment of Yarn or Manufactured Staple Fiber or Tow
- D 2495 Test Method for Moisture in Cotton by Oven-Drying
- D2496 Test Method for Seed Coat Fragments and Funiculi in Cotton Fiber Samples⁰
- D 2497 Tolerances for Manufactured Organic-Base Filament Single Yarns
- D 2524 Test Method for Breaking Tenacity of Wool Fibers, Flat Bundle Method 18-in. (3.2-mm) Gage Length
- D 2525 Practice for Sampling Wool for Moisture
- D 2594 Test Method for Stretch Properties of Knitted Fabrics Having Low Power
- D 2612 Test Method for Fiber Cohesion in Sliver and Top (Static Tests)
- D 2812 Test Method for Non-Lint Content of Cotton
- D 2644 Tolerances for Yarns Spun on the Woolen System
- D 2645 Tolerances for Yarns Spun on the Cotton or Worsted Systems
- D 2646 Test Methods for Backing Fabric Characteristics of Pile Yarn Floor Coverings
- D 2654 Test Method for Moisture in Textiles⁰
- D 2692 Test Method for Air Wicking of Tire Fabrics, Tire Cord Fabrics, Tire Cord, and Yarns
- D 2720 Practice for Calculation of Commercial Weight and Yield of Scoured Wool, Top, and Noil for Various Commercial Compositions
- D 2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics
- D 2812 Test Method for Non-Lint Content of Cotton
- D 2816 Test Method for Cashmere Coarse-Hair Content in Cashmere
- D 2817 Specification for Maximum Cashmere Coarse-Hair Content in Cashmere
- D 2859 Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
- D 2905 Practice for Statements on Number of Specimens for Textiles
- D 2906 Practice for Statements on Precision and Bias for Textiles
- D 2910 Method for Removal of Organic Matter from Water by Activated Carbon Absorption⁰
- D 2968 Test Method for Med and Kemp Fibers in Wool and Other Animal Fibers by Microprojection
- D 2969 Test Methods for Steel Tire Cords
- D 2970/D 2970M Test Methods for Testing Tire Cords, Tire Cord Fabrics, and Industrial Yarns Made From Glass Filaments
- D 2974 Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
- D 3025 Practice for Standardizing Cotton Fiber Test Results by Use of Calibration Cotton Standards
- D 3107 Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns
- D 3108 Test Method for Coefficient of Friction, Yarn to Solid Material
- D 3135 Specification for Performance of Bonded, Fused, and Laminated Apparel Fabrics
- D 3136 Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products
- D 3181 Guide for Conducting Wear Tests on Textiles
- D 3187 Test Methods for Rubber Evaluation of NBR (Acrylonitrile-Butadiene Rubber)
- D 3217 Test Methods for Breaking Tenacity of Manufactured Textile Fibers in Loop or Knot Configurations
- D 3218 Specification for Polyolefin Monofilaments
- D 3219 Specification for Industrial Filament Yarns, Tire Cords, and Tire Cord Fabrics Made from Man-Made Organic Fibers⁰

- D 3333 Practice for Sampling Manufactured Staple Fibers, Sliver, or Tow for Testing
- D 3334 Method of Testing Fabrics Woven from Polyolefin Monofilaments⁰
- D 3412 Test Method for Coefficient of Friction, Yarn to Yarn
- D 3374 Specification for Vinyl-Coated Glass Yarns
- D 3511 Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Brush Pilling Tester
- D 3512 Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester
- D 3513 Test Method for Overlength Fiber Content of Manufactured Staple Fiber
- D 3514 Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Elastomeric Pad
- D 3562 Performance Specification for Woven Drycleanable Coat Fabrics
- D 3597 Performance Specification for Woven Upholstery Fabrics Plain, Tufted, or Flocked
- D 3655 Performance Specification for Men's and Women's Sliver Knitted Overcoat and Jacket Fabrics
- D 3656 Specification for Insect Screening and Louver Cloth Woven from Vinyl-Coated Glass Yarns
- D 3659 Test Method for Flammability of Apparel Fabrics by Semi-Restraint Method⁰
- D 3690 Performance Specification for Vinyl-Coated and Urethane-Coated Upholstery Fabrics Indoor
- D 3691 Performance Specification for Woven, Lace, and Knit Household Curtain and Drapery Fabrics
- D 3692 Practice for Selection of Zippers for Care-Labeled Apparel and Household Furnishings
- D 3693 Specification for Labeled Length per Holder of Sewing Thread
- D 3773 Test Methods for Length of Woven Fabric
- D 3774 Test Method for Width of Textile Fabric
- D 3775 Test Method for Warp (End) and Filling (Pick) Count of Woven Fabrics
- D 3776 Test Methods for Mass Per Unit Area (Weight) of Fabric
- D 3777 Practice for Writing Specifications for Textiles
- D 3778 Performance Specification for Women's and Girls' Drycleanable Woven Dress Coat Fabrics⁰
- D 3779 Performance Specification for Women's and Girls' Woven Rainwear and All-Purpose, Water-Repellent Coat Fabrics
- D 3780 Performance Specification for Men's and Boys' Woven Dress Suit Fabrics and Woven Sportswear Jacket, Slack, and Trouser Fabrics
- D 3781 Performance Specification for Men's and Boys' Knitted Rainwear and All-Purpose, Water-Repellent Coat Fabrics
- D 3782 Performance Specification for Men's and Boys' Knitted Dress Suit Fabrics and Knitted Sportswear Jacket, Slack, and Trouser Fabrics
- D 3783 Performance Specification for Woven Flat Lining Fabrics for Men's and Boys' Apparel
- D 3786 Test Method for Bursting Strength of Textile Fabrics Diaphragm Bursting Strength Tester Method
- D 3787 Test Method for Bursting Strength of Textiles Constant-Rate-of-Traverse (CRT) Ball Burst Test
- D 3789 Practice for Labeling Cans of Consumer Spray Paint⁰
- D 3817 Test Method for Maturity Index of Cotton Fibers by the Fibrographic Method⁰
- D 3818 Test Method for Linear Density and Material Index of Cotton Fibers (IIC-Shirley Fineness Maturity Tester Method)⁰
- D 3819 Performance Specification for Men's and Boys' Woven Pajama Fabrics
- D 3820 Performance Specification for Men's and Boys' Woven Underwear Fabrics
- D 3822 Test Method for Tensile Properties of Single Textile Fibers
- D 3823 Practice for Determining Ticket Numbers for Sewing Threads
- D 3882 Test Method for Bow and Skew in Woven and Knitted Fabrics
- D 3883 Test Method for Yarn Crimp and Yarn Take-up in Woven Fabrics
- D 3884 Guide for Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method)
- D 3885 Test Method for Abrasion Resistance of Textile Fabrics (Flexing and Abrasion Method)
- D 3886 Test Method for Abrasion Resistance of Textile Fabrics (Inflated Diaphragm Apparatus)
- D 3887 Specification for Tolerances for Knitted Fabrics
- D 3888 Terminology for Yarn Spinning Systems
- D 3936 Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering
- D 3937 Test Method for Crimp Frequency of manufactured Staple Fibers
- D 3938 Guide for Determining or Confirming Care Instructions for Apparel and Other Textile Products
- D 3939 Test Method for Snagging Resistance of Fabrics (Mace)
- D 3940 Test Method for Bursting Strength (Load) and Elongation of Sewn Seams of Knit or Woven Stretch Textile Fabrics⁰
- D 3990 Terminology Relating to Fabric Defects
- D 3991 Specifications for Fineness of Wool or Mohair and Assignment of Grade
- D 3992 Specifications for Fineness of Wool Top or Mohair Top and Assignment of Grade
- D 3993 Performance Specification for Woven, Thermal, Flocked, Nonwoven, and Knitted Household Blanket Fabrics⁰
- D 3994 Performance Specification for Woven Swimwear Fabrics
- D 3995 Performance Specification for Men's and Women's Knitted Career Apparel Fabrics: Dress and Vocational

- D 3996 Performance Specification for Knit Swimwear Fabrics
- D 4028 Specification for Solar Screening Woven from Vinyl-Coated Fiber Glass Yarn
- D 4029 Specification for Finished Woven Glass Fabrics
- D 4030 Specification for Glass Fiber Cord and Sewing Thread
- D 4031 Test Method for Bulk Properties of Textured Yarns
- D 4032 Test Method for Stiffness of Fabric by the Circular Bend Procedure
- D 4033 Test Method for Resistance to Yarn Slippage at the Sewn Seam in Upholstery Fabrics (Dynamic Fatigue Method)⁰
- D 4034 Test Method for Resistance to Yarn Slippage at the Sewn Seam in Woven Upholstery Fabrics⁰
- D 4035 Performance Specification for Knitted Necktie and Scarf Fabrics
- D 4036 Performance Specification for Woven and Knitted Household Pillowcase, Bed Sheet, and Crib Sheet Fabrics⁰
- D 4037 Performance Specification for Woven, Knitted, or Flocked Bedspread Fabrics
- D 4038 Performance Specification for Women's and Girls' Woven Dress and Blouse Fabrics
- D 4109 Performance Specification for Men's and Boys' Woven Coverall, Dungaree, Overall, and Shop-Coat Fabrics
- D 4115 Performance Specification for Women's and Girls' Knitted and Woven Dress Glove Fabrics
- D 4118 Performance Specification for Women's Woven Coverall, Dungaree, Overall, and Shop Coat Fabrics
- D 4119 Performance Specification for Men's and Boys' Knitted Dress Shirt Fabrics
- D 4120 Test Method for Fiber Cohesion in Roving, Sliver, and Top in Dynamic Tests
- D 4151 Test Method for Flammability of Blankets
- D 4154 Performance Specification for Men's and Boys' Knitted and Woven Beachwear and Sports Shirt Fabrics
- D 4156 Performance Specification for Women's and Girls' Knitted Sportswear Fabrics
- D 4157 Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)
- D 4158 Guide for Abrasion Resistance of Textile Fabrics (Uniform Abrasion)
- D 4231 Practice for Evaluation of Launderable Woven Dress Shirts and Sports Shirts
- D 4232 Performance Specification for Men's and Women's Dress and Vocational Career Apparel Fabrics
- D 4234 Performance Specification for Women's and Girls' Knitted Robe, Negligee, Nightgown, Pajama, Slip, and Lingerie Fabrics
- D 4235 Performance Specification for Women's and Girls' Knitted Blouse and Dress Fabrics
- D 4238 Test Method for Electrostatic Propensity of Textiles⁰
- D 4253 Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
- D 4268 Test Methods for Testing Fiber Ropes
- D 4269 Test Method for Shorn Pile Mass of Finished Tufted Pile Yarn Floor Covering⁰
- D 4270 Guide for Using Existing Practices in Developing and Writing Test Methods
- D 4271 Practice for Writing Statements on Sampling in Test Methods for Textiles
- D 4350 Test Method for Corrosivity Index of Plastics and Fillers
- D 4371 Test Method for Determining the Washability Characteristics of Coal
- D 4372 Specification for Flame-Resistant Materials Used in Camping Tentage
- D 4389 Specification for Finished Glass Fabrics Woven From Rovings
- D 4391 Terminology Relating to The Burning Behavior of Textiles
- D 4392 Terminology for Statistically Related Terminology⁰
- D 4393 Test Method for Strap Peel Adhesion of Reinforcing Cords or Fabrics to Rubber Compounds
- D 4466 Terminology Related to Multicomponent Textile Fibers
- D 4467 Practice for Interlaboratory Testing of a Textile Test Method That Produces Non-Normally Distributed Data
- D 4523 Terminology Relating to Feather-Filled and Down-Filled Products
- D 4510 Test Method for Counting Partial Cleavages in Wool and Other Animal Fibers
- D 4604 Test Methods for Measurement of Cotton Fibers by High Volume Instruments (HVI) (Motion Control Fiber Information System)
- D 4605 Test Method for Measurement of Cotton Fibers by High Volume Instrument (HVI)-(Special Instrument Laboratory System)⁰
- D 4685 Test Method for Pile Fabric Abrasion
- D 4686 Guide for Identification and Transformation of Frequency Distributions
- D 4697 Guide for Maintaining Test Methods in the User's Laboratory
- D 4720 Performance Specification for Soft Window Covering Fabrics for Household Use
- D 4721 Practice for Evaluation of the Performance of Machine Washable and Drycleanable Bedcoverings and Accessories
- D 4722 Guide for Evaluation of the Performance of Machine Washable Woven and Knit Household Bed Sheets and Pillowcases⁰
- D 4724 Test Method for Entanglements in Filament Yarns by Needle Insertion
- D 4769 Specification for Woven and Warp Knitted Comforter Fabrics
- D 4770 Test Method for Appearance and Integrity of Highloft Batting After Refurbishing

- D 4771 Performance Specification for Knitted Upholstery Fabrics for Indoor Furniture
- D 4772 Test Method for Surface Water Absorption of Terry Fabrics (Water Flow)
- D 4776 Test Method for Adhesion of Tire Cords and Other Reinforcing Cords to Rubber Compounds by H-Test Procedure
- D 4777 Test Method for Adhesion of Tire Cords and Other Reinforcing Cords for Rubber Compounds by Hot U-Test Procedure⁰
- D 4845 Terminology Relating to Wool
- D 4846 Test Method for Resistance to Unsnapping of Snap Fasteners
- D 4848 Terminology Related to Force, Deformation and Related Properties of Textiles
- D 4849 Terminology Related to Yarns and Fibers
- D 4850 Terminology Relating to Fabrics and Fabric Test Methods
- D 4851 Test Methods for Coated and Laminated Fabrics for Architectural Use
- D 4852 Practice for Evaluation of Attached Upholstery Fabrics
- D 4853 Guide for Reducing Test Variability
- D 4854 Guide for Estimating the Magnitude of Variability from Expected Sources in Sampling Plans
- D 4855 Practice for Comparing Test Methods
- D 4909 Test Method for Color Stability of Vinyl-Coated Glass Textile to Accelerated Weathering⁰
- D 4911 Tolerances for Yarns Made of Man-Made Fibers and Spun on the Parallel Worsted or Modified Worsted Systems⁰
- D 4912 Test Method for Fabric Stability of Vinyl-Coated Glass Yarn Insect Screening and Louver Cloth
- D 4920 Terminology Relating to Conditioning, Chemical, and Thermal Properties
- D 4964 Test Method for Tension and Elongation of Elastic Fabrics (Constant-Rate-of-Extension Type Tensile Testing Machine)
- D 4965 Terminology of Seams and Seam Finishes Used in Home Sewing
- D 4963 Test Method for Ignition Loss of Glass Strands and Fabrics
- D 4966 Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)
- D 4970 Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester
- D 4974 Test Method for Hot Air Thermal Shrinkage of Yarn and Cord Using a Thermal Shrinkage Oven
- D 4975 Test Methods for Single-Filament Tire Bead Wire Made from Steel
- D 5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
- D 5035 Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
- D 5038 Terminology of Textile Conservation
- D 5103 Test Method for Length and Length Distribution of Manufactured Staple Fibers (Single-Fiber Test)
- D 5169 Test Method for Shear Strength (Dynamic Method) of Hook and Loop Touch Fasteners
- D 5171 Test Method for Impact Resistance of Plastic Sew-Through Flange Buttons
- D 5219 Terminology Relating to Body Dimensions for Apparel Sizing
- D 5251 Practice for the Operation of the Tetrapod Walker Drum Tester
- D 5252 Practice for the Operation of the Hexapod Tumble Drum Tester
- D 5253 Terminology Relating to Floor Coverings and Textile Upholstered Furniture
- D 5332 Test Method for Fiber Length and Length Distribution of Cotton Fibers
- D 5344 Test Method for Extension Force of Partially Oriented Yarn
- D 5352 Test Method for Determination of Organically Combined Sulfuric Anhydride Ash-Gravimetric, Test Method C
- D 5362 Test Method for Snagging Resistance of Fabrics (Bean Bag)
- D 5378 Performance Specification for Woven and Knitted Shower Curtains for Institutional and Household Use
- D 5417 Practice for Operation of the Vettermann Drum Tester
- D 5426 Practices for Visual Inspection and Grading of Fabrics Used for Inflatable Restraints
- D 5427 Practice for Accelerated Aging of Inflatable Restraint Fabrics
- D 5428 Practice for Evaluating the Performance of Inflatable Restraint Modules
- D 5429 Practice for Pretreatment of Backing Fabrics Used in Textile Conservation Research
- D 5430 Test Methods for Visually Inspecting and Grading Fabrics
- D 5431 Performance Specification for Woven and Knitted Sheeting Products for Institutional and Household Use
- D 5432 Performance Specification for Blanket Products for Institutional and Household Use
- D 5433 Performance Specification for Towel Products for Institutional and Household Use
- D 5446 Practice for Determining Physical Properties of Fabrics, Yarns, and Sewing Thread Used in Inflatable Restraints
- D 5489 Guide for Care Symbols for Care Instructions on Textile Products
- D 5497 Terminology Relating to Buttons
- D 5587 Test Method for Tearing Strength of Fabrics by Trapezoid Procedure
- D 5591 Test Method for Thermal Shrinkage Force of Yarn and Cord With a Thermal Shrinkage Force Tester
- D 5645 Test Methods for Determining Physical Properties of Inflatable Restraint Cushions⁰
- D 5646 Terminology of Basic Sewing Machine Stitches for Home Use
- D 5647 Guide for Measuring Hairiness of Yarns by the Photo-Electric Apparatus

- D 5684 Terminology Relating to Pile Floor Coverings
- D 5732 Test Method for Stiffness of Nonwoven Fabrics Using the Cantilever Test
- D 5735 Test Method for Tearing Strength on Nonwoven Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)
- D 5736— Test Method for Thickness of Highloft Nonwoven Fabrics⁰
- D 5793 Test Method for Binding Sites per Unit Length or Width of Pile Yarn Floor Coverings
- D 5823 Test Method for Tuft Height of Pile Floor Coverings
- D 5848 Test Method for Mass Per Unit Area of Pile Yarn Floor Coverings
- D 6119 Practice for Creating Surface Appearance Changes in Pile Yarn Floor Covering from Foot Traffic
- D 6197 Test Method for Classifying and Counting Faults in Spun Yarns in Electronic Tests
- D 6207 Test Method for Dimensional Stability of Fabrics to Changes in Humidity and Temperature
- D 6283 Test Method for Tuft Element Length of Uncoated Pile Yarn Floor Coverings
- D 6320 Test Methods for Single Filament Hose Reinforcing Wire Made from Steel
- D 6540 Test Method for Accelerated Soiling of Pile Yarn Floor Covering

2.2 CFR Standard:⁴

16 CFR 303.7(c) Generic Names and Definitions for Manufactured Fibers

3. Terminology

3.1 Alphabetical listing of terms with subcommittee jurisdiction and attribution for each term.

- A-tuft**, *n*—a single-pass process for aligning hook free fibers on the Fibroliner FL-101. [D 13.11] D 5332
- abrasion**, *n*—the wearing away of any part of a material by rubbing against another surface. [D13.60] D 3884 D 3885, D 3886, D 4157, D 4158, D 4685, D 4966
- abrasion cycle**, *n*—one complete movement across the surface of a material. [D13.60] D 3885
- abrasion mark**, *n*—an area damaged by friction. [D13.59] D 3990
- absolute humidity**, *n*—the mass of water vapor present in a unit volume of air. (See **humidity** and **relative humidity**) [D13.51] D 4920
- absorbent compound**, *n*— *in textile cleaning*, sponge-like particles which, when saturated with water or dry solvent and detergent and brushed into the textile, remove soil from the textile. See **powder cleaner**. [D13.62] D 5352
- absorbent pad**, *n*— *for cleaning textile floor coverings*, a damp textile material (fabric, felt, sponge, or mop) used to agitate and wipe the pile and, in the process, absorb soil. [D13.62] D 5352
- absorption**, *n*—a process in which one material (the absorbent) takes in or absorbs another (the absorbate); as the absorption of moisture by fibers. (See also **adsorption**, and **moisture equilibrium for testing**. Compare **desorption** and **resorption**.) [D13.51] D 4772, D 4920
- accelerated aging**, *n*— *in textile processing and testing*, the use of controlled environmental conditions to promote rapid physical or chemical change in a textile **material**. [D13.20] D 5427
- acceptable quality level (AQL or p_1)**, *n*—*in acceptance sampling*, the maximum fraction of nonconforming items at which the process average can be considered satisfactory; the process average at which the risk of rejection is called the producer's risk. [D13.93] D 3777, D 4028, D 4271, D 4392
- acceptance number (c)**, *n*—*in acceptance sampling*, the maximum number of nonconforming items in a sample that allows the conclusion that the lot conforms to the specification. [D13.93] D 3777, D 4271, D 4392
- acceptance sampling**, *n*—sampling done to provide specimens for acceptance testing. [D13.93] D 3777, D 4271, D 4392
- acceptance testing**, *n*—testing performed to decide if a material meets acceptance criteria. [D13.93] D 3777, D 4271, D 4392
- accuracy**, *n*—*of a test method*, the degree of agreement between the true value of the property being tested (or an accepted standard value) and the average of many observations made according to the test method, preferably by many observers. (See also **bias** and **precision**.) [D13.93] D 2905, D 2906, D 4697, D 4855
- acid content**, *n*— *of felt*, the number of milliequivalents of acid present per unit weight of felt, measured under prescribed conditions. [D13.13] D 461
- acromion**, *n*—*in anatomy*, that part of the shoulder blade located at the end of the spine which articulates with the collar bone. (See also **shoulder joint**.) [D13.55] D 5251

⁴ * As amended March 13, 1966.

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*** Effective Sept. 12, 1973.

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***** Effective Feb. 15, 1974.

***** Effective June 6, 1986.

⁴ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

- across shoulder**, *n*— *in body measurements*, the distance from shoulder joint to shoulder joint across the back. [D13.55] D 5219
- acrylic fiber*—See **acrylic** in Annex A1.
- adhesion**, *n*—the property denoting the ability of a material to resist delamination or separation into two or more layers. [D13.19] D 1871, D 1877, D 4393, D 4776, D 4777
- adhesive treated-tire cord**, *n*—a tire cord whose adhesion to rubber or other elastomer has been improved by the application of a dip followed by rapid drying and (normally) additional heat treatment. [D13.19] D 5591
- adhesion**, *n*—*in tire fabrics*, the force required to separate a textile material from rubber or other elastomer by a definite prescribed method. [D13.19] D 2229, D 4393, D 4776, D 4777
- adsorption**, *n*—a process in which the surface of a solid takes on or absorbs in an extremely thin layer molecules of gases, dissolved substances, or of liquids with which it is in contact. (See also **absorption**, **moisture equilibrium of testing**. Compare **desorption** and **resorption**.) [D13.51] D 4920
- afterflame**, *n*—persistent flaming of a material after the ignition source has been removed. [D13.92] D 123
- after-flame time**, *n*—the length of time for which a material continues to flame after the ignition source has been removed. [D13.92] D 4372, D 4391
- afterglow**, *n*—glow in a material after the removal of an external ignition source or after the cessation (natural or induced) of flaming of the material. (See also **flame**, **glow**, and **smoldering**.) [D13.92] D 4391
- afterglow time**, *n*—the time afterglow continues after the cessation of flaming or after removal of the ignition source. [D13.92] D 123
- air permeability**, *n*—the rate of air flow passing perpendicular through a known area under a prescribed air pressure differential between the two surfaces of a material.
- DISCUSSION—Air permeability of fabric at a stated pressure differential between two surfaces of the fabric is generally expressed in SI units as cm³/s/cm² and in inch-pound units as ft³/min/ft² calculated in operating conditions. (See **permeability**, **porosity**) (D13.59) D 737
- air-supported roof**, *n*—a fabric roof-system that is properly secured and primarily supported and held in place by air pressure. [D13.59] D 4851
- air wicking**, *n*— *in tires*, the passage of air longitudinally along or through yarns in a fabric that has been encased and cured in rubber or other elastomer, that is, air permeability in the plane of the fabric. [D13.19] D 2692
- alkali solubility**, *n*— *in wool*, the percent of clean wool that is soluble in a specified alkaline solution under controlled conditions of temperature and time. [D13.13] D 1283
- alpaca**, *n*—the fleece and fiber produced by the alpaca, an animal of the genus *Llama* (*Lama glama pacus*). [D13.13] D 2252
- American grain count**, *n*—a direct yarn numbering system for expressing linear density, equal to the mass in grains per 120 yards of sliver or roving. [D13.58] D 2260
- amount**, *n*—*in cotton fiber testing with the Length Analyzer*, a measure of the thickness or pneumatic density of the test beard, proportional to the number of fibers present at various distances from the base of the specimen clamp jaws. [D13.11] D 4604
- amount**, *n*—*in cotton length testing with the Fibrograph*, a measure of the thickness, or optical density, of the test beard, proportional to the number of fibers present at various distances from the comb(s). [D13.11] D 1447, D 3817
- analysis of variance (ANOVA)**, *n*—a procedure for dividing the total variation of a set of data into two or more parts, one of which estimates the error due to selecting and testing specimens and the other part(s) possible sources of additional variation. [D13.93] D 4854
- anidex fiber*—See **anidex** in Annex A1.
- animal fiber**, *n*—any natural protein-base fiber. [D13.13] D 1574, D 4510
- ankle**, *n*—*in anatomy*, the joint between the foot and the lower leg. [D13.55] D 5219
- ankle girth**, *n*— *in body measurements*, the circumference of the leg over the greatest prominence of the ankle. [D13.55] D 5219
- ankle height**, *n*— *in body measurements*, with the subject standing barefoot, the distance from the center of the prominent outside ankle bone to the floor. [D13.55] D 5219
- aqueous extract**, *n*— *in wool testing*, the solution obtained by digesting a material with water or with a sodium chloride solution to dissolve soluble materials. [D13.13] D 2165
- aramid fiber*—See **aramid** in Annex A1.
- architectural-use**, *n*— *in the building trade*, a descriptive term for fabrics used in fabric roof-systems or similar industrial applications. (See also **fabric roof-system**.) [D13.59] D 4851
- arm length**, *n*—*in body measurements*, with the arm bent at 90 degrees and the clenched fist placed on the hip, the distance from the shoulder joint along the outside of the arm over the elbow to the greatest prominence on the outside of the wrist. [D13.55] D 5219

- armhole**, *n*—*in garment construction*, the area of a garment through which the arm passes or into which a sleeve is fitted.
(Compare **armscye**.) [D13.55] D 5219
- armpit**, *n*—*in anatomy*, the hollow under the junction of the arm and the shoulder. [D13.55] D 5219
- armscye**, *n*—*in garment construction*, the opening in a garment for the attachment of a fitted sleeve. (Compare **armhole**.)
[D13.55] D 5219
- armscye circumference**, *n*— *in body measurements*, with the arm hanging down, the distance from the shoulder joint through the front-break point, the armpit, the back-break point and to the starting point. [D13.55] D 5219
- assignable cause**, *n*—a factor which contributes to variation and is feasible to detect and identify. [D13.93] D 4467
- atmosphere for testing**, *n*—air at ambient conditions of relative humidity and temperature in which tests or experiments are conducted. (See also **standard atmosphere for testing**.) [D13.51] D 4920
- atmosphere for testing textiles**, *n*—*for glass*, air maintained at a relative humidity of at least 48 % and no greater than 67 % and at a temperature of at least 20°C (68°F) and no greater than 25°C (77°F). [D13.18] D 578, D 579, D 580, D 581, D 3374,
D 3656, D 4028, D 4029, D 4030, D 4389, D 4909, D 4912, D 4963
- attached cushion**, *n*— *for pile yarn floor covering*, a material, bonded to the backing fabric side of a pile yarn floor covering to provide additional dimensional stability, thickness, and padding. [D13.21] D 3936, D 5684
- attached upholstery fabric**, *n*—the exterior fabric covering secured to a furniture unit by the furniture manufacturer or custom upholsterer. (See **furniture coverings**) [D13.63] D 4852
- attribute**, *n*—a specific characteristic of a thing. (See **attribute data**.) [D13.93] D 4271
- attribute data**, *n*—observed values or determinations which indicate the presence or absence of specific characteristics.
[D13.93] D 4271, D 4697, D 4854
- automatic lock slider**, *n*— *in zippers*, a slider that provides involuntary, positive locking action on the chain when the pull is released. [D13.54] D 2050
- average**, *n*—*for a series of observations*, the total divided by the number of observations. [D13.93] D 4853
- average fiber diameter**, *n*— *in wool and other animal fibers*, the average width of a group of fibers when measured on a projected image. [D13.13] D 2130, D 2252, D 3991, D 3992
- azlon fiber*—See **azlon** in Annex A1.
- B-tuft**, *n*—a two-pass process for aligning hooked fibers on the Fibroliner FL-101. [D13.11] D 5332
- back breakpoint**, *n*— *in anatomy*, the location on the back of the body where the arm separates from the body.
[D13.55] D 5219
- back coating**, *n*— *in textile floor covering*, an adhesive compound applied for such purpose as locking pile yarn tufts into a carpet backing, bonding a secondary backing to a primary backing, or increasing fabric body or stiffness and increasing dimensional stability [D13.21] D 418, D 4852, D 5684
- back side**, *n*—*in textile materials*, the side of the material that faces inward in the completed object (Ant. **face side**).
[D13.53] D 4965
- back waist length**, *n*— *in body measurements*, the vertical distance along the spine from the cervicale to the waist.
[D13.55] D 5219
- back width**, *n*—*in body measurements*, the distance from back-breakpoint to back-breakpoint. [D13.55] D 5219
- backing**, *n*—*for pile yarn floor covering*, all materials in a pile yarn floor covering other than pile yarn.
[D13.21] D 5251, D 5252, D 5684
- backing fabric**, *n*— *in textiles*, a fabric into which a pile yarn is inserted, or a reinforcing layer which is adhered to the reverse side of a fabric. [D13.21] D 2646, D 5684, D 5848
- backing fabric**, *n*— *in textile conservation*, a support textile fabric located behind the textile artifact. [D13.53] D 5429
- bagging**, *n*—any fabric, of any fiber content, used to protect commodities during shipment and/or storage.
- DISCUSSION—The fabrics may be of the woven, knitted, or non-woven type, and are typically produced with cotton, jute, polyethylene, or polypropylene fibers. [D13.59] D 4850
- bail**, *n*—*in zippers*, a portion or portions of the slider to which the pull or pulls are attached. [D13.54] D 2050
- bale (jute)**, *n*—a bag, sack, etc., containing packages of yarn. [D13.16] D 541
- barb**, *n*—*in down*, the primary structure of plumage emanating from a quill point of a down cluster. [D13.61] D 4523
- barb**, *n*—*in feathers*, the primary structure of plumage emanating from the quill of a feather. [D13.61] D 4523
- barré**, *n*—an unintentional, repetitive visual pattern of continuous bars and stripes usually parallel to the filling of woven fabric or to the courses of circular knit fabric. (Compare **warp streaks** and **mixed filling**, see **filling blend**.) [D13.59] D 3990
- bast fibers**, *n*—*in flax stems*, fibers found in the layer of phloem of the flax stem between the inner xylem tissue and the epidermis tissue. [D13.17]
- bast and leaf fiber**, *n*—fiber derived from the inner fibrous bark and the hard coarse leaves of dicotyledonous plants such as flax, hemp, jute, and abaca. [D13.16] D 1233
- bath mat**, *n*—an absorbent textile floor covering normally used in the bathroom as a pad on which to step when getting out of the tub or shower. [D13.62] D 5253

- bath rug**, *n*—a scatter rug used in the bathroom. [D13.62] D 5253
- bath sheet**, *n*—a textile terry product with end hems or fringes and side hems or selvages that is generally much larger than a bath towel. [D13.63] D 5433
- bath towel**, *n*—a textile terry product with end hems or fringes and side hems or selvages, which is used to dry a person’s body after bathing or swimming. [D13.63] D 5433
- batting**, *n*—a textile filling material consisting of a continuous web of fibers formed by carding, garnetting, air laying, or other means. [D13.61] D 4770
- batting integrity**, *n*—the ability of a textile filling material to resist distortion or change when subjected to multiple home launderings or drycleanings. [D13.61] D 4770
- bead**, *n*—*in a separate element zipper*, an enlarged section on inner edge of each tape to which interlockable elements are affixed. [D13.54] D 2050
- bead**, *n*—*in continuous element zippers*, an optional enlarged section of the tape located at the outer edge of the continuous interlockable elements and against which the slider flanges bear. [D13.54] D 2050
- beam**, *n*—*in textiles*, a large spool containing many ends of yarn wound parallel, and used for such purposes as weaving or warp knitting. [D13.58] D 2258
- beam set**, *n*—*in textiles*, one or more beams of yarn in a single shipment to be further processed together for a specific end use. [D13.58] D 2258
- bedcovering**, *n*—a textile product used on a bed over the sheets for warmth or decoration. [D13.63] D 4721
- bedspread**, *n*—a type of bedcovering that is placed over the blankets and sheets for appearance and warmth. [D13.63] D 4037, D 4721
- bench marks**, *n*—marks placed on a specimen to define gage length, that is, the portion of the specimen that will be evaluated in a specific test. [D13.58] D 76
- bending length**, *n*—(1) *general*—a measure of the interaction between fabric weight and fabric stiffness as shown by the way in which a fabric bends under its own weight. It reflects the stiffness of a fabric when bent in one plane under the force of gravity, and is one component of drape.
(2) *specific*—the cube root of the ratio of the flexural rigidity to the weight per unit area. [D13.60] D 1388
- bias**, *n*—*in statistics*, a constant or systematic error in test results. [D13.93] D 2905, D 2906, D 4697, D 4855
- bicomponent fiber**, *n*—a fiber consisting of two polymers which are chemically different, physically different, or both. [D13.58] D 629, D 4466
- binding site**, *n*—*for pile yarn floor covering*, a place at which the pile yarn is, or can be, bound to the backing fabric. [D13.21] D 5684, D 5848
- binomial distribution**, *n*—the frequency distribution which has the probability function:
- $$P(r) = \frac{n!}{r!(n-r)!} p^r q^{n-r} \quad (1)$$
- <https://standards.iteh.ai/catalog/standards/sist/cd73fa52-1239-41c8-8059-0a29322979fd/astm-d123-09>
- where:
- $P(r)$ = probability of obtaining exactly r “successes” in n independent trials,
 p = probability, constant from trial to trial, of obtaining a “success” in a single trial, and
 q = $1 - p$.
- birdseye**, *n*—*in knitted fabrics*, an unintentional tuck stitch. [D13.93] D 4686 [D13.59] D 3990
- birefringence**, *n*—(*double refraction*) a property of anisotropic materials which manifests itself as a splitting of a light ray into components having different vibration directions which are transmitted at different velocities. [D13.51] D 276
- black felt**, *n*—those classifications of felt manufactured to various shades of the color black. [D13.13] D 2475
- blanket**, *n*—*for bedding*, an unquilted fabric covering designed primarily to provide thermal insulation. [D13.63] D 4151, D 4721, D 5432
- bleach**, *n*—*in care of textiles*, a product for brightening and aiding in the removal of soils and stains from textile materials by oxidation that is inclusive of both chlorine and non-chlorine products. [D13.62] D 3136, D 5253
- blending plan**, *n*—the instructions for mixing fibers during specimen preparation. [D13.11] D 5332
- blind hem stitch**, *n*—*in home sewing*, a complex machine stitch pattern consisting of small groups of straight or narrow zigzag stitches separated by a wide zigzag stitch unit at consistent intervals. [D13.53] D 5646
- blister**, *n*—*in bonded, fused, or laminated fabrics*, a bulge, swelling, or similar surface condition on either the face fabric or the backing fabric characterized by the fabric being raised from the plane of the underlying component over a limited area to give a puffy appearance. [D13.54] D 2724, D 3135
- block**, *n*—*in experimenting*, a group of units that is relatively homogeneous within itself, but may differ from other similar groups. [D13.93] D 4853
- block**, *v*—to align warp and weft yarns at right angles, by some form of manipulation. [D13.53] D 5429
- blocking**, *n*—*of coated fiber glass yarn solar screening*, an undesired adhesion between touching layers of a material, such as occurs under moderate pressure, during storage or use. [D13.18] D 4028

- blocking**, *n*—the measurement of the development of surface tack and the thermal softening point of the material. [D13.56] D 3690
- blotch**, *n*—an irregularly shaped offcolored area. [D13.59] D 3990
- body dimension**, *n*— *in garment construction*, a body measurement which can be used to build a sizing system or to select an appropriately sized garment. (See also **sizing system**.) [D13.55] D 5219
- body measurements**, *n*— *in anthropometry*, a standardized distance between two specified points on the human anatomy. [D13.55] D 5219
- body weight**, *n*— *in body measurements*, mass in kilograms (pounds). [D13.55] D 5219
- bond strength**, *n*— *of bonded, fused, or laminated fabrics*, the tensile force expressed in ounces per 25 mm (1 in.) of width, required to separate the component layers under specified conditions. [D13.54] D 2724, D 3135
- bonded fabric**, *n*—a layered fabric structure wherein a face or shell fabric is joined to a backing fabric, such as tricot, with an adhesive that does not significantly add to the thickness of the combined fabrics. (See also **laminated fabric, coated fabric**.) [D13.54] D 2724, D 3135
- bonnet**, *n*—*in cleaning pile floor coverings*, an absorbent pad which can be mounted under a rotary shampoo machine. [D13.62] D 5253
- book fold**, *n*—a fabric doubled selvage to selvage, then folded back and forth upon itself in predetermined lengths. (See also **shoe fold**.)
- DISCUSSION—When the piece is completed, the fold-edges on each side are folded once more upon themselves so that the fold-edges are inside, forming a compact package as long as one half the width of the **fabric**. [D13.59] D 4850
- bottom assembly**, *n*—the components of the lowermost part of a slide fastener which determine whether the slide fastener will be non-separable or separable. (See also **non-separable zipper** and **separable zipper**.) [D13.54] D 2050
- bottom stop**, *n*—a part affixed to both stringers immediately below, or over, the chain, holding the two stringers together at the bottom and preventing the slider from leaving the chain. [D13.54] D 2050
- bound seam-finish**, *n*—a finish for the raw edges of a plain seam, in which another fabric encloses the raw edges of one or more seam allowances. (Compare **Hong Kong seam-finish**.) [D13.53] D 4965
- boundary friction**, *n*—friction at low sliding speeds (0.02 m/min or less) where lubrication occurs under thin-film lubricant conditions. [D13.58] D 3412
- bow**, *n*—a fabric condition resulting when filling yarns or knitted courses are displaced from a line perpendicular to the selvages and form one or more arcs across the width of the fabric. (See also **double bow**.) [D13.60] D 3882, D 3990
- braid**, *n*—a narrow tubular or flat fabric produced by intertwining a single set of yarns according to a definite pattern (Maypole process). [D13.18] D 581
- braided fabric**, *n*—a structure produced by interlacing three or more ends of yarns in a manner such that the paths of the yarns are diagonal to the vertical axis of the fabric. [D13.59] D 4850
- braided rope**, *n*—a cylindrically produced rope made by intertwining, maypole fashion, several to many strands according to a definite pattern with adjacent strands normally containing yarns of the opposite twist. [D13.16] D 4268
- break factor**, *n*— *in yarn testing*, the comparative breaking load of a skein of yarn adjusted for the linear density of the yarn expressed in an indirect system. [D13.58] D 1578
- breaking**, *n*—the crushing of the structure of the stem; loosening the bond between the fiber bundles and shives and breaking the shives into short pieces to facilitate its removal. [D13.17]
- breaking force**, *n*—the maximum force applied to a material carried to rupture. (Compare **breaking point**.. See **breaking strength**.) [D13.58] D 885, D 1578, D 2970, D 3217, D 3218, D 3822, D 4848, D 4975, D 5035
- breaking point**, *n*— *on a force-extension or force-elongation curve, or stress-strain curve*, the point corresponding with the breaking force or the breaking stress in a tensile test. (Compare **breaking force**.) [D13.58] D 4848
- breaking strength**, *n*—the ability or capacity of a specific material to withstand the ultimate tensile load or force required for rupture. (See also **tensile strength**) [D13.58] D 885
- breaking tenacity**, *n*—the tenacity at the breaking force. [D13.58] D 885, D 1294, D 2101, D 2256, D 2524, D 2970, D 3217, D 3218, D 3822, D 4604, D 4848
- breaking toughness**, *n*—the actual work per unit volume or per unit mass of material that is required to rupture the material. [D13.58] D 885, D 3822
- breakout pressure**, *n*— *for inflatable restraints*, the pressure level during deployment which ruptures the module cover. [D13.20] D 5428
- bridge**, *n*—*in buttons*, the area between the holes partially covered by the sewing threads with dimensions varying upon design and end use. [D13.54] D 5497
- bridge top stop**, *n*— *in zippers*, a part affixed immediately above the chain, holding the tops of the two stringers together and preventing the slider from leaving the chain. [D13.54] D 2050
- broken end**, *n*—*in woven fabrics*, a void in the warp direction due to yarn breakage. [D13.59] D 3990
- broken filament**, *n*— *in multifilament yarn*, breaks in one or more filaments. [D13.58] D 3990

- broken pick**, *n*— *in woven fabrics*, a discontinuity in the filling direction caused by a break or cut in the filling yarn. [D13.59] D 3990
- bruise**, *n*—*in fabrics*, an area that has been subjected to impact or pressure, which differs from the adjacent normal fabric. [D13.59] D 3990
- brush**, *n*—a hand-held cleaning tool consisting of a base into which bristles are inserted. [D13.62] D 5253
- brush**, *vt*—*in refurbishing textiles*, (1) to use a brush to remove surface particulate soils, (2) work a cleaning solution or spot cleaning agent into carpet pile or upholstery fabric, or (3) restore the appearance of pile fabrics. [D13.62] D 5253
- bulk density**, *n*—apparent mass per unit volume. [D13.51] D 1518
- bulk sample**, *n*— *in the sampling of bulk material*, one or more portions which (1) are taken from material that does not consist of separately identifiable units and (2) can be identified after sampling as separate or composited units. (Compare to **discrete sample**, **lot sample**.) [D13.93] D 4271
- bulk shrinkage**, *n*—a measure of potential stretch and power of stretch yarns or a measure of bulk of textured-set yarns. [D13.58] D 4031
- bunch**, *n*—a defect in a yarn characterized by a segment not over 6 mm ($\frac{1}{4}$ in.) in length that shows an abrupt increase in diameter caused by more fibers matted in this particular place. (See **slug**, **slub**.) [D13.58] D 2255
- buried pile yarn**, *n*— *for coated pile yarn floor covering*, that portion of the pile tuft elements which remains after the tuft legs have been removed by shearing. [D13.21] D 418
- burlap**, *n*—a coarse, heavy, plain weave fabric of coarse single bask fiber yarn. [D13.59] D 4850
- burning behavior**, *n*—all the changes that take place when materials or products are exposed to a specified ignition source. [D13.92] D 4391
- burr-wool waste**, *n*—waste removed by the burr guard of cards or burr pickers having a very short fiber and full of burrs or seeds. [D13.13] D 4845
- bursting force**, *n*—the force or pressure required to rupture a fabric by distending it with a force, applied at right angles to the plane of the fabric, under specified conditions [D13.59] D 3786, D 3787, D 3887
- bursting strength**, *n*—*in fabric*, the capacity of a material to withstand the ultimate bursting force required to rupture a fabric. [D13.59] D 3786, D 3787, D 3887
- bust girth**, *n*—*in body measurements*, the circumference of the body over the fullest part of the breasts and parallel to the floor. (Compare **chest girth**.) [D13.55] D 5219
- bust point to bust point**, *n*—*in body measurements*, the distance across the front from the apex of one breast to the apex of the other. [D13.55] D 5219
- button**, *n*—a knob, disc, or similar object which when forced through a narrow opening or buttonhole, fastens one part of a garment or other flexible substrate to another. (See also **sew-through flange button**.) [D13.54] D 5171, D 5497
- buttonhole stitch**, *n*— *in home sewing*, a complex machine stitch pattern made by coordinated motions of needle and feed, appearing as very close stitches forming a narrow rectangle of stitching that is usually composed of four stitch segments, one on each side and on each of the two ends of the rectangle. [D13.53] D 5645
- cable twist**, *n*—the construction of cabled yarn, cord, or rope in which each successive twist is in the opposite direction to the preceding twist; an S/Z/S or Z/S/Z construction. [D13.58] D 1423
- calf girth**, *n*—*in body measurements*, the maximum circumference around the leg between the knee and ankle, parallel to the floor. [D13.55] D 5219
- calibrate**, *v*—to determine and record the relationship between a set of standard units of measure and the output of an instrument or test procedure. [D13.58] D 76, D 4697
- calibration**, *n*—the act or process of calibrating; the recorded relationship resulting from calibrating. [D13.93] D 4697
- calibration cotton standards**, *n*—cotton samples taken from blended bulk source on which fiber properties have been determined under the International Calibration Cotton Standards Program. [D13.11] D 1448, D 3025, D 3818, D 4604
- cam lock slider**, *n*— *in zippers*, a slider that incorporates a curled projection or projections on the pull that extends through a window or windows to effect a locking action by pressing against the interlocking elements when the cam lock slider is in the locked position. [D13.54] D 2050
- camping tentage**, *n*—any portable temporary shelter or structure designed to protect persons from the elements, all or a portion of the covering which is made of fabric or other pliable materials. [D13.52] D 4372
- capacity**, *n*—*for tensile testing machines*, the maximum force for which the machine is designed. [D13.58] D 76
- carbonized and neutralized wool**, *n*— a term descriptive of scoured wool processed to destroy cellulosic impurities by treating with a mineral acid or an acid salt, drying and baking, crushing, and dusting out the embrittled cellulosic matter followed by neutralization of the acidified wool. [D13.13] D 2118
- carded wool**, *n*—scoured wool which has been processed through a carding machine. [D13.13] D 1575
- care instructions**, *n*— *in textiles*, a series of directions that describes practices which should refurbish a product without adverse effects and warn against any part of the directions which one could reasonably be expected to use that may harm the item. [D13.62] D 3136, D 3938, D 5253, D 5489
- care label**, *n*—*in textiles*, a label or other affixed instructions that report how a product should be refurbished

[D13.62] D 3136, D 5253

care procedure, *n*— *in textiles*, one or more refurbishing methods to which products may be subjected for soil and stain removal and aesthetic improvement such as appearance restoration or hand. [D13.62] D 3136, D 5253

care symbol, *n*—a pictorial symbol that gives directions for refurbishing a consumer textile product. [D13.62] D 5489

career apparel, *n*—garments, the styling and performance of which are designed for various end uses so as to be suitable for on-the-job wear in a variety of businesses and professions. (See also **dress career apparel** and **vocational career apparel**.)

[D13.56] D 3995, D 4232

carpet, *n*—all textile floor coverings not designated as rugs. [D13.21] D 5253, D 5684

carpet module, *n*—textile floor covering sections usually having dimensions of less than 1 m². [D13.21] D 1335, D 5684

carpet sweeper, *n*—a manually powered machine which has rotary brushes and which is used for light surface cleaning of carpets and rugs. [D13.62] D 5253

carrier, *n*—*in braiding machinery*, that part of a braiding machine that holds the package of yarn, thread, or cord, and carries the yarn when the machine is operated. [D13.18] D 581

case, *n*—*in textiles*, a shipping unit, usually a carton, box, bale, or other container holding a number of yarn packages. [D13.58] D 2258

cashmere, *n*—*in roving, yarn, or fabrics*, cashmere hair or products made therewith having a cashmere coarse-hair content not exceeding a specified maximum percentage by length. [D13.13] D 2816, D 2817

cashmere coarse-hair, *n*—those coarse fibers in cashmere hair having widths greater than 30 μm. [D13.13] D 2816, D 2817

cashmere coarse-hair content, *n*—the total length of the cashmere coarse-hair fibers that are present, expressed as a percentage of the total length of all the cashmere hair fibers; that is, the percentage by length of cashmere coarse-hair in cashmere hair. [D13.13] D 2816, D 2817

cashmere down, *n*—those fibers in cashmere hair widths of 30 μm or less. [D13.13] D 2816, D 2817

cashmere hair, *n*—the fibers produced by a form of goat (*Capra hircus*) indigenous to Asia and known as the cashmere goat. [D13.13] D 2816, D 2817

center back waist length, *n*—*in body measurements*, the vertical distance along the spine from the cervicale to the waist. [D13.55] D 5219

center front waist length, *n*—*in body measurements*, the vertical distance from the neck baseline at the center front to the waist level. [D13.55] D 5219

cervicale, *n*—*in anatomy*, the prominent point of the seventh or lowest neck vertebra at the back of the body. [D13.55] D 5219

cervicale to bust point, *n*— *in body measurements*, the distance from the cervicale around the base of the neck and down to the bust point. [D13.55] D 5219

cervical to wrist, *n*— *in body measurements*, with the arm bent, the distance from the cervical to the shoulder joints, along the outside of the arm, over the elbow to the greater prominence on the outside of the wrist. [D13.55] D 5219

chafer fabric, *n*— *in tire fabrics*, a woven fabric, usually coated with unvulcanized rubber, which is laid around the bead of a tire before vulcanization. [D13.19] D 122, D 2692, D 4393

chain, *n*—*in zippers*, the assemblage formed by interlocking several elements of two stringers. [D13.54] D 2050

chain sampling, *n*— *in acceptance sampling*, a sampling plan for which the decision to accept or reject a lot is based in part on the results of inspection of the lot and in part on the results of inspection of the immediately preceding lots. [D13.93] D 3777

chain thickness, *n*— *in zippers*, the measurement from front to back of the chain. [D13.54] D 2050

chain width, *n*—the measurement between the shoulders of the interlocked elements or between the outermost edges of the bead if the bead extends beyond the elements. [D13.54] D 2050

characteristic, *n*—a property of items in a sample or population which, when measured, counted, or otherwise observed, helps to distinguish between the items. [D13.93] D 2906, D 4271

charring, *n*—the formation of carbonaceous residue as the result of pyrolysis or incomplete combustion. [D13.92] D 4391

chemical wash, *n*— *in rug cleaning*, a specialized professional process used on oriental rugs. [D13.62] D 5253

chest girth, *n*— *in body measurements*, the circumference of the body over the shoulder blades, under the arms and across the upper chest. (Compare **bust girth**.) [D13.55] D 5219

chlorine bleach, *n*—a bleach that releases the hypochlorite ion in solution, for example, sodium hypochlorite. [D13.62] D 3136

chopped strand, *n*— *in glass textiles*, a strand made from short predetermined lengths of cut continuous filament and used as a reinforcing material. (See also **strand**.) [D13.18] D 578

chord modulus, *n*—*in a stress-strain curve*, the ratio of the change in stress to the change in strain between two specified points on the curve. [D13.58] D 885, D 3822, D 4848

circular bend, *n*—simultaneous, multidirectional deformation of a fabric in which one face of a flat specimen becomes concave and the other becomes convex. [D13.60] D 4032

- clamp**, *n*—that part of a testing machine used to grip the specimen by means of suitable jaws. [D13.58] D 76
- clean-finish seam-finish**, *n*—a finish for the raw edges of the seam allowances of a plain seam, in which the raw seam allowance is folded under and edge stitched. [D13.53] D 4965
- clean wool fiber present**, *n*—*in raw wool*, the mass of wool base present in the raw wool, adjusted to a moisture content of 12 %, an alcohol-extractable content of 1.5 %, and a mineral matter content of 0.5 %. [D13.13] D 584, D 1060, D 1334
- cleaning agent**, *n*—a chemical compound or formulation of several compounds which loosens, disperses, dissolves, or emulsifies soil to facilitate removal by mechanical action. [D13.62] D 3136, D 4852, D 5253
- clip mark**, *n*—a visible deformation near the edge of a fabric parallel with the lengthwise direction caused by pressure exerted by a clasping device on a clip tenter frame. (See also **pin mark**.) [D13.59] D 3990
- clo**, *n*—unit of thermal resistance equal to 0.155 Km²/W. [D13.51] D 1518
- closed-face fabric**, *n*—a face or shell fabric of closed construction so that no open-face areas appear. [D13.54] D 3135
- cloth**, *n*—any textile fabric, but especially one designed for apparel, domestic, or industrial use. (See also **fabric**.) [D13.59] D 4850
- coarse end**, *n*—a larger than normal diameter warp end. (Compare **fine end**.) [D13.59] D 3990
- coarse pick**, *n*— *in woven fabrics*, one or more picks of larger diameter than the normal filling yarn in the fabric. [D13.59] D 3990
- coat**, *n*—an outer garment which covers at least the upper half of the body, has sleeves and a front opening, and is usually worn over another garment, such as a shirt or dress. [D13.56] D 3778
- coated fabric**, *n*—a flexible material composed of a fabric and any adherent polymeric material applied to one or both surfaces. (See also **laminated fabric**) [D13.59, D13.20] D 4850, D 4851, D 5446
- cockles**, *n*—*in yarns*, irregular, thick, uneven lumps. [D13.58] D 2255, D 3990
- coefficient of friction**, *n*—the ratio of the tangential force that is needed to maintain uniform relative motion between two contacting surfaces to the perpendicular force holding them in contact. [D13.58] D 3108, D 3412
- coefficient of length variation**, *n*— a measure of fiber length distribution. [D13.11] D 1440, D 5332
- coefficient of variation**, **CV**, *n*—a measure of the dispersion of observed values equal to the standard deviation for the values divided by the average of the values; may be expressed as a percentage of the average (CV %). [D13.93] D 1440, D 2905
- coefficient of variation unevenness**, *n*—*in textiles*, the standard deviation of the linear densities over which unevenness is measured expressed as a percentage of the average linear density for the total length within which unevenness is measured. (See also **unevenness** and **mean deviation unevenness**.) [D13.58] D 1425
- cohesive force**, *n*— *in a textile strand*, the force required to overcome fiber cohesion as the strand is being reduced in linear density. [D13.58] D 2612, D 4120
- collecting surface**, *n*— *in the rotor of an open-end spinning machine*, that portion of the internal surface of the rotor, often in the form of a groove, in which the fibers are condensed for assembly into yarn. [D13.58] D 3888
- color bleeding**, *n*—the loss of color from a dyed fabric when immersed in water, drycleaning solvent, or similar liquid medium, with consequent coloring of the liquid medium. (Compare **color staining**, **crocking**.) [D13.59] D 3990
- color contrast**, *n*— *in textiles*, a general term for a visible color difference between two adjacent areas.
- DISCUSSION—**for the purpose of test methods D 3939 and D 5362**, a color contrast is a visible color difference between a snag and the immediate surrounding area of the fabric that has no defects. Color contrasts often occur when printed fabrics are snagged. [D13.59] D 3939, D 5362
- color grading**, *n*—the act of identifying a specimen by a color grade or color score that is specific to the color and the material graded. [D13.11] D 1684
- color lamp**, *n*—*in color determination of cotton with a Color Meter*, a lamp with a specific energy output function used in conjunction with special tristimulus filters to obtain a desired response function. [D13.11] D 4604
- color meter**, *n*—an instrument which measures the fiber sample color as presented in the viewing window, in terms of the tristimulus values *Y* and *Z* and transmits these values to the IC/TC for further processing. [D13.11] D 4604
- color space**, *n*— *specific to this standard*, the daylight color of opaque specimens are represented by points in a space in terms of three color scales: reflectance, R_d , and the chromaticity coordinates for redness or greenness, $\pm a$, and yellowness or blueness, $\pm b$. [D13.11] D 2253
- color stability**, *n*— *in coated glass textiles*, the ability of the applied coating to resist fading from exposure to sunlight and water. [D13.18] D 4909
- color staining**, *n*—the undesired pickup of color by a fabric: (1) when immersed in water, drycleaning solvent, or similar liquid medium, that contains dyestuffs or coloring material not intended for coloring the fabric, or (2) by direct contact with other dyed material from which color is transferred by bleeding or sublimation. (Compare **crocking** and **color bleeding**.) [D13.59] D 3990
- colored fiber**, *n*— *in wool top*, any fiber the color or shade of which differs from the normal color or shade of the fiber mass of the sample. [D13.13] D 1770, D 4845
- colorfastness**, *n*—the resistance of a material to change in any of its color characteristics, to transfer its colorant(s) to adjacent materials, or both, as the result of exposure of the material to any real or simulated environment that might be encountered during