



Standard Terminology Related to Yarns and Fibers¹

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¹ NOTE—Terms were added editorially in September 2014.

² NOTE—A definition for “shrinkage” was added editorially in September 2016.

1. Scope

1.1 This standard is a compilation of terminology developed by Committee D13.58 on Yarns and Fibers.

1.1.1 This terminology, mostly definitions, is unique to fibers and yarns used in the textile industry. Terms that are generally understood or adequately defined in other readily available sources are not included.

1.1.2 Subcommittee D13.58 has jurisdictional responsibility for every item in this standard. The standards in which the terms and definitions are used are listed by number after the definition. The wording of an entry cannot be changed without the approval of D13.58 subcommittee. Any changes approved by the subcommittee and main committee are then directed to subcommittee D13.92 on Terminology for subsequent changes or additions to Terminology [D123](#).

1.1.3 This terminology standard is not all inclusive of the terms under the jurisdiction of Subcommittee D13.58. Other terminology standards under the jurisdiction of Subcommittee D13.58 are [D3888](#), [D4466](#), and [D4848](#).

2. Referenced Documents

2.1 ASTM Standards:²

- [D76](#) Specification for Tensile Testing Machines for Textiles
- [D123](#) Terminology Relating to Textiles
- [D861](#) Practice for Use of the Tex System to Designate Linear Density of Fibers, Yarn Intermediates, and Yarns
- [D204](#) Test Methods for Sewing Threads
- [D1059](#) Test Method for Yarn Number Based on Short-Length Specimens (Withdrawn 2010)³
- [D1230](#) Test Method for Flammability of Apparel Textiles
- [D1244](#) Practice for Designation of Yarn Construction

¹ This terminology is under the jurisdiction of ASTM Committee [D13](#) on Textiles and is the direct responsibility of Subcommittee [D13.58](#) on Yarns and Fibers.

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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 The last approved version of this historical standard is referenced on www.astm.org.

- [D1422](#) Test Method for Twist in Single Spun Yarns by the Untwist-Retwist Method
- [D1423](#) Test Method for Twist in Yarns by Direct-Counting
- [D1425](#) Test Method for Unevenness of Textile Strands Using Capacitance Testing Equipment
- [D1577](#) Test Methods for Linear Density of Textile Fibers
- [D1578](#) Test Method for Breaking Strength of Yarn in Skein Form
- [D1907](#) Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method
- [D2102](#) Test Method for Shrinkage of Textile Fibers (Bundle Test)
- [D2255](#) Test Method for Grading Spun Yarns for Appearance
- [D2258](#) Practice for Sampling Yarn for Testing
- [D2259](#) Test Method for Shrinkage of Yarns
- [D2260](#) Tables of Conversion Factors and Equivalent Yarn Numbers Measured in Various Numbering Systems
- [D2402](#) Test Method for Water Retention of Textile Fibers (Centrifuge Procedure)
- [D2612](#) Test Method for Fiber Cohesion in Sliver and Top (Static Tests)
- [D2494](#) Test Method for Commercial Mass of a Shipment of Yarn or Manufactured Staple Fiber or Tow
- [D2645](#) Tolerances for Yarns Spun on the Cotton or Worsted Systems
- [D2644](#) Tolerances for Yarns Spun on the Woolen System
- [D3106](#) Test Method for Permanent Deformation of Elastomeric Yarns
- [D3108](#) Test Method for Coefficient of Friction, Yarn to Solid Material
- [D3128](#) Specification for 2-Methoxyethanol
- [D3217](#) Test Methods for Breaking Tenacity of Manufactured Textile Fibers in Loop or Knot Configurations
- [D3218](#) Specification for Polyolefin Monofilaments
- [D3333](#) Practice for Sampling Manufactured Staple Fibers, Sliver, or Tow for Testing
- [D3334](#) Test Method for Fabrics Woven from Polyolefin Monofilaments (Withdrawn 1989)³
- [D3412](#) Test Method for Coefficient of Friction, Yarn to Yarn
- [D3513](#) Test Method for Overlength Fiber Content of Manufactured Staple Fiber