



Designation: D 2817 – 91 (Reapproved 1995)

Standard Specification for Maximum Cashmere Coarse-Hair Content in Cashmere¹

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1. Scope

1.1 This specification covers the allowable cashmere coarse-hair content in cashmere which has been processed at least to the roving stage.

1.2 For blends of cashmere hair and other fibers, this specification is applicable only to the cashmere hair content of such blends.

NOTE 1—For the determination of the cashmere coarse-hair content in cashmere, refer to Test Method D 2816. For the identification of textile fibers see Methods D 276. For the quantitative determination of the composition of textile blends, see Test Methods D 629.

2. Referenced Documents

2.1 ASTM Standards:

- D 123 Terminology Relating to Textiles²
- D 276 Test Methods for Identification of Fibers in Textiles²
- D 629 Test Methods for Quantitative Analysis of Textiles²
- D 2130 Test Method for Diameter of Wool and Other Animal Fibers by Microprojection²
- D 2816 Test Method for Cashmere Coarse-Hair Content in Cashmere²

3. Terminology

3.1 Definitions:

3.1.1 *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.

3.1.2 *cashmere coarse-hair, n*—those coarse fibers in cashmere hair having widths greater than 30 μm .

3.1.2.1 *Discussion*—For the purpose of Specification D 2817, the width shall be determined as directed in Test Method D 2130.

3.1.3 *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.

¹ This specification is under the jurisdiction of ASTM Committee D-13 on Textiles, and is the direct responsibility of Subcommittee D13.13 on Wool and Wool Felt.

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

3.1.4 *cashmere down, n*—those fibers in cashmere hair having widths of 30 μm or less.

3.1.5 *cashmere hair, n*—the fibers produced by a form of goat (*Capra hircus*) indigenous to Asia and known as the cashmere goat.

3.1.5.1 *Discussion*—Characteristically, cashmere hair consists of fine down (undercoat) fibers and coarse (outercoat) fibers.

3.1.6 For definitions of other textile terms used in this specification, refer to Terminology D 123.

4. Significance and Use

4.1 This specification sets the maximum permissible cashmere coarse-hair content for cashmere in the form of roving, yarn, or fabric.

4.2 When agreed upon by parties in interest, this specification provides a basis for acceptance testing of roving, yarn, or fabric of cashmere, or blends of cashmere and other fibers in such products.

5. Specification for Cashmere

5.1 The cashmere coarse-hair content of cashmere in the form of roving, yarn, or fabric shall not exceed 0.7 % by length.

NOTE 2—Extensive interlaboratory tests have shown that when the cashmere coarse-hair content exceeds 0.7 % by length, the corresponding percentage by mass of cashmere coarse-hair in the product generally exceeds 3.0 %. The data from these studies are filed with the secretary of Subcommittee D13.13, Committee D-13 of ASTM.

6. Test Method

6.1 Determine the coarse-hair content as directed in Test Method D 2816.

7. Number of Tests

7.1 Except in case of dispute, make a single test for the determination of the cashmere coarse-hair content of cashmere as directed in Test Method D 2816.

7.2 In case of dispute, make two additional tests for cashmere coarse hair content on different samples and base the decision on the majority result.

8. Keywords

8.1 animal fibers (except wool); content

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