



Designation: D 3937 – 9401

Standard Test Method for Crimp Frequency of ~~Man-Made~~ manufactured Staple Fibers¹

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1. Scope

1.1 This test method covers the determination of the crimp frequency of ~~man-made~~ manufactured staple fibers. This test method is applicable to all crimped provided the crimp can be viewed two-dimensionally as a sine-wave configuration. ~~Note 1—For determination of crimp in wool, refer to Test Method D 2491.~~

1.1.1 It should be recognized that yarn manufacturing processes or treatments to manufactured yarns can influence or modify crimp in fiber. Hence, the value for crimp of fibers taken from spun yarns may be different than that of the same fiber prior to the manufacturing or treatment processes.

1.2 Three options are provided for preparation of the specimens. Option One (preferred) uses single fibers for the specimens with a low magnification available, Option Two (optional for staple or tow samples) uses fiber chips as the specimens, and Option Three uses projected images of single fibers.

1.3 The values stated in SI units are to be regarded as the standard. The inch-pound units in parentheses are for information only.

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:

¹ This test method is under the jurisdiction of ASTM Committee D-13 on Textiles and is the direct responsibility of Subcommittee D13.578 on Yarn and Fiber Test Methods, General Methods.

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