



Designation: D 2402 – 9401

Standard Test Method for Water Retention of Textile Fibers (Centrifuge Procedure)¹

This standard is issued under the fixed designation D 2402; 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 reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This test method covers the measurement of water retention of man-made and natural fibers as staple, tow, or filament and spun yarns. It is intended to give a measure of the amount of water which cannot be removed from thoroughly wetted fiber solely by mechanical means as applied by centrifugal force (see 3.1.2).

1.2 *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.* For specific precautionary statements, see Section 9.

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 D13.57 on Fiber Test Methods, ~~General~~. This version of Test Method D 2402 corrects the error in Eq 2 that was introduced in the 1978 edition and mistakenly used the moist fiber mass instead of the moisture mass and replaces the conditioned fiber basis introduced in the 1990 edition to the previous dried fiber basis. ~~General~~.

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