



Designation: D 751 – 9800

An American National Standard

Standard Test Methods for Coated Fabrics¹

This standard is issued under the fixed designation D 751; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 These test methods are applicable, but not limited to, rubber-coated fabrics, that is, tarpaulins, rainwear, and similar products.

1.2 The scope of each of these test methods appears in the section in which the test method is described.

1.3 The test methods appear in the following sections:

Test Method	Section
Dimensions and Mass	7-10
Breaking Strength	11
Procedure A—Grab Test Method	12-15
Procedure B—Cut Strip Test Method	16
Elongation	17
Bursting Strength	18-21
Puncture Resistance	22-25
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Procedure A—Pendulum Method	27-32
Procedure B—Tongue Tear Method	33-36
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~~Hydrostatic Resistance~~	~~37~~
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<del> Procedure A—Mullen Type Tester</del>	~~38-41~~
<del> Procedure A—Mullen Type Tester</del>	~~42-45~~
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<del> Procedure B—Rising Water Column Tester</del>	~~46-49~~
~~Adhesion Coating (to Fabrics)~~	~~46-49~~
~~Adhesion Coating (to Fabrics)~~	~~50-53~~
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~~Strength of Coating~~	~~54-58~~
~~Tack-Tear Resistance~~	~~55-59~~
~~Tack-Tear Resistance~~	~~59-63~~
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~~Low Temperature Bend Test~~	~~64~~
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~~Low Temperature Impact Test~~	~~65~~
~~Low Temperature Crack Resistance~~	~~62-66~~
~~Low Temperature Crack Resistance~~	~~66-70~~
~~Seam Strength~~	~~67-72~~
~~Seam Strength~~	~~71-76~~
~~Accelerator Heat Aging (Oven Method)~~	~~73-80~~
~~Accelerated Heat Aging (Oven Method)~~	~~77-84~~
~~Dead Load Seam Strength~~	~~85-88~~
~~Blocking Resistance at Elevated Temperatures~~	~~81-85~~
~~Blocking Resistance at Elevated Temperatures~~	~~89-93~~
~~Crush Resistance~~	~~86-90~~
~~Crush Resistance~~	~~94-98~~
~~Wicking of Coated Cloth~~	~~99-103~~

1.4 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.5 *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.*

¹ These test methods are under the jurisdiction of ASTM Committee D-11 on Rubber and are the direct responsibility of Subcommittee D11.37 on Coated Fabrics and Rubber Thread.

Current edition approved Nov. 10, 1998; 2000. Published January 1999; September 2000. Originally published as D 751 – 43 T. Last previous edition D 751 – 89.