



Designation: D 69 – 9601

An American National Standard

Standard Test Methods for Friction Tapes¹

This standard is issued under the fixed designation D 69; 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 cover the methods and procedures for testing friction tapes. Such tapes consist of a woven fabric sheeting that has been impregnated with an adhesive insulating compound and cut into rolls of narrow width. These tapes are commonly used for protecting and binding in place, insulation applied to joints of electrical wires and cables, and for other mechanical purposes.

NOTE 1—The material specifications formerly included in these test methods are now contained in Specification D 4514.

1.2 The test methods included in this standard are as follows:

	Sections
~~Adhesion~~	~~—5-10~~
~~Adhesion~~	~~6-11~~
~~Aged Adhesion~~	~~11-16~~
~~Aged Adhesion~~	~~12-17~~
~~Breaking Strength~~	~~17-21~~
~~Breaking Strength~~	~~18-22~~
~~Dielectric Breakdown Voltage~~	~~22-27~~
~~Dielectric Breakdown Voltage~~	~~23-28~~
~~Dimensions~~	~~28-33~~
~~Dimensions~~	~~29-34~~
~~Discoloration of Copper~~	~~34-38~~
~~Discoloration of Copper~~	~~35-39~~
~~Parallelism~~	~~39-43~~
~~Parallelism~~	~~40-44~~
~~Tackiness~~	~~44-50~~
~~Tackiness~~	~~45-51~~

1.3 The values stated in inch-pound units are the standard except in cases where standard. The SI units are more appropriate. The values 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.

NOTE 2—There is no equivalent IEC standard.

2. Referenced Documents

2.1 ASTM Standards:

D 149 Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies²

¹ These test methods are under the jurisdiction of ASTM Committee D-9 D09 on Electrical and Electronic Insulating Materials and are the direct responsibility of Subcommittee D09.07 on Flexible and Rigid Insulating Materials.

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