



Designation: D 4882 – 9701

An American National Standard

Standard Test Method for Bond Strength of Electrical Insulating Varnishes by the Twisted-Coil Test¹

This standard is issued under the fixed designation D 4882; 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 determination of the bond strength of an electrical insulating varnish when applied to a twisted coil of film-insulated magnet wire. The use of a particular type of film-insulated wire will show the values for that combination of film coating and varnish.

1.2 *This standard does not purport to address all, if any, 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.* A specific precautionary statement is given in Section 7.

1.3 The values stated in inch-pound units are the standard. The values given in parentheses are for information only.

NOTE 1—Although this standard and ~~IEC 61033~~, Method C of IEC 61033 differ in approach or detail, data obtained using either are technically equivalent.

2. Referenced Documents

2.1 ASTM Standards:

¹ This test method is under the jurisdiction of ASTM Committee ~~D-9~~ D9 on Electrical and Electronic Insulating Materials and is the direct responsibility of Subcommittee D09.01 on Electrical Insulating Varnishes, Powders, and Encapsulating Compounds.

Current edition approved Sept. 10, ~~1997~~, 2001. Published ~~February 1998~~, November 2001. Originally published as D 4882 – 88. Last previous edition D 4882 – 937.