



Designation: F 677—95 (Reapproved 1999) — 04

An American National Standard

Standard Test Method for Fluid and Grease Resistance of Thermoset Encapsulating Compounds Used in Electronic and Microelectronic Applications¹

This standard is issued under the fixed designation F 677; 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 determines the resistance of encapsulating compounds to fluids or greases by measuring changes in weight (Note 1) and volume under defined conditions of time and temperature.

NOTE 1—To provide consistency with the usage in other ASTM test methods concerned with determining the properties of plastic materials, the terms “weight” and “weigh” are used in this test method although the units of measurement are those of mass.

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. See 9.1.*

1.3 The values stated in SI units are standard. The values in parentheses are for information only.

NOTE 2—There is no similar or equivalent IEC standard.

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

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