



Designation: D 3369 – 9601

An American National Standard

Standard Specification for Polytetrafluoroethylene (PTFE) Resin Cast Film¹

This standard is issued under the fixed designation D 3369; 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 This specification covers PTFE-fluorocarbon resin cast film in thicknesses from 0.025 to 0.127 mm (0.001 to 0.005 in.).

1.2 PTFE film and sheet are made by several different processes and the properties of the products reflect both the different starting polymers and the different processes. Properties that are affected include, but are not limited to: tensile strength and elongation at break, porosity, anisotropy, and molecular weight. ~~Related standards are Specifications D 3293 and A related standard is Specification D 3308.~~ It is important to examine each of the other standards to select the one appropriate for the application.

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

NOTE 1—There is no similar or equivalent ISO standard.

1.4 The following precautionary caveat pertains only to the test methods portion, Section 6, 7, of this specification. *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.*

2. Referenced Documents

2.1 *ASTM Standards:*

¹ This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.15 on Thermoplastic Materials. Current edition approved July 10, 1996; 2001. Published September 1996; January 2002. Originally published as D 3369 – 75. Last previous edition D 3369 – 91a.

In this revision, the Inspection, Rejection and Rehearing, and Certification Sections were revised: D 3369 – 96.

*A Summary of Changes section appears at the end of this standard.