



Designation: D3308 – 12 (Reapproved 2022)

Standard Specification for PTFE Resin Skived Tape¹

This standard is issued under the fixed designation D3308; 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 U.S. Department of Defense.

1. Scope

1.1 This specification covers skived tape in thicknesses from 0.013 to 6.35 mm (0.0005 to 0.250 in.) manufactured by skiving (**Note 1**) from PTFE resin molding and extrusion materials.

NOTE 1—Skiving is the process of continuously shaving a film on a lathe from the outer surface to the core of a molded cylindrical tube of material.

NOTE 2—Abbreviations have been approved from Terminology **D1600**.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are for information only.

1.3 The following hazard caveat pertains only to the test method portion, Section 8, 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

NOTE 3—This specification and ISO 13000-1 and ISO 13000-2 differ in approach or detail, and data obtained using either may not be technically equivalent.

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards*:²

D149 Test Method for Dielectric Breakdown Voltage and

Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies

D374 Test Methods for Thickness of Solid Electrical Insulation (Metric) **D0374** **D0374M**

D618 Practice for Conditioning Plastics for Testing

D638 Test Method for Tensile Properties of Plastics

D792 Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement

D882 Test Method for Tensile Properties of Thin Plastic Sheet

D883 Terminology Relating to Plastics

D1389 Test Method for Proof-Voltage Testing of Thin Solid Electrical Insulating Materials (Withdrawn 2013)³

D1600 Terminology for Abbreviated Terms Relating to Plastics

D3892 Practice for Packaging/Packing of Plastics

D4894 Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials

2.2 *ISO Standards*:⁴

ISO 13000-1 Plastics—Polytetrafluoroethylene (PTFE) Semi-Finished Products Part 1: Requirements and Designation

ISO 13000-2 Plastics—Polytetrafluoroethylene (PTFE) Semi-Finished Products Part 2: Preparation of Specimens and Determination of Properties

3. Terminology

3.1 *Definitions*—Definitions are in accordance with Terminology **D883** unless otherwise specified.

3.2 *Definitions of Terms Specific to This Standard*:

3.2.1 *lot, n*—one production run, or a uniform blend of two or more production runs.

3.2.2 *film, n*—full-width material received as finished film.

3.2.3 *Mil, n*— $1/1000$ (0.001) of an inch.

4. Classification

4.1 This specification covers four types of PTFE resin skived tape:

³ The last approved version of this historical standard is referenced on www.astm.org.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

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 (Section D20.15.12).

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

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