



Standard Specification for High-Temperature Glass Cloth Pressure-Sensitive Electrical Insulating Tape¹

This standard is issued under the fixed designation D2754; 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 specification covers requirements for high-temperature electrical insulating tape consisting of glass cloth coated on one side with a pressure-sensitive adhesive.

1.2 The values stated in SI units are to be regarded as the standard. The values given in parentheses are provided for information purposes only.

2. Referenced Documents

2.1 *ASTM Standards*:²

D1000 [Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications](#)

D1711 [Terminology Relating to Electrical Insulation](#)

3. Terminology

3.1 *Definitions*—For definitions of terms in this specification refer to Terminology D1711.

4. Classification

4.1 This specification covers two types of glass cloth tapes, as follows:

4.1.1 *Type I*—Woven glass cloth with silicone adhesive.

4.1.1.1 *Grade A*—0.18 mm (0.007 in.).

4.1.1.2 *Grade B*—0.25 mm (0.010 in.).

4.1.2 *Type II*—Woven glass cloth impregnated with polytetrafluoroethylene, silicone adhesive, nominal thickness 0.13 mm (0.005 in.).

5. Materials and Manufacture

5.1 The tape backing shall consist of woven glass fibers.

5.2 The silicone pressure-sensitive adhesive coating shall be smooth and uniform and as free from lumps and bare spots as best commercial practice will permit. The adhesive shall not transfer when the tape is unwound from the roll.

6. Requirements

6. Requirements

6.1 All tapes shall meet the requirements given in Table 1 for the types specified.

7. Standard Rolls

7.1 The standard widths and lengths shall be selected from the following:

7.1.1 *Widths*:

¹ This specification is under the jurisdiction of ASTM Committee D09 on Electrical and Electronic Insulating Materials and is the direct responsibility of Subcommittee D09.07 on Flexible and Rigid Insulating Materials.

Current edition approved March 10, 1999. Published May 1999. Originally approved in 1968. Last previous edition approved in 1993 as D2754-89 (1993)^{ε1}. DOI: 10.1520/D2754-99R04.

Current edition approved May 1, 2010. Published June 2010. Originally approved in 1968. Last previous edition approved in 2004 as D2754-99(2004). DOI: 10.1520/D2754-10.

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.