



Designation: ~~D2301–10 (Reapproved 2017)~~ D2301 – 24

Standard Specification for Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape¹

This standard is issued under the fixed designation D2301; 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 electrical insulating tape consisting of a flexible backing made from vinyl chloride plastic coated on one side with a pressure-sensitive adhesive.

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

1.3 *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

[D1000 Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications](#)
[D1711 Terminology Relating to Electrical Insulation](#)

3. Terminology

<https://standards.iteh.ai/catalog/standards/astm/b1e36a9d-c58b-4dca-bc88-8c3f9e811a6f/astm-d2301-24>

3.1 *Definitions*—For definitions of terms in this specification, refer to Terminology [D1711](#).

4. Classification

4.1 This specification covers two types as follows:

4.1.1 *Type I*—General-purpose tape, nominal thickness 0.18 mm (0.007 in.).

4.1.2 *Type II*—General-purpose tape, nominal thickness 0.25 mm (0.010 in.).

5. Materials and Manufacture

5.1 The backing shall be polyvinyl chloride plastic suitably compounded to meet the requirements of this specification. The backing shall be smooth and uniform. The tape edges shall be straight and unbroken.

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 Electrical Insulating Materials.

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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**