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.

Designation: D883 – 24

Standard Terminology Relating to Plastics[1]

This standard is issued under the fixed designation D883; 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 terminology covers definitions of technical terms used in the plastics industry. Terms that are generally understood or adequately defined in other readily available sources are not included.

1.2 When a term is used in an ASTM document for which Committee D20 is responsible it is included only when judged, after review, by Subcommittee D20.92 to be a generally usable term.

1.3 Definitions that are identical to those published by another standards body are identified with the abbreviation of the name of the organization; for example, IUPAC is the International Union of Pure and Applied Chemistry.

1.4 A definition is a descriptive phrase or a single sentence with additional information included in discussion notes.

NOTE 1—It is recommended that definitions be reviewed periodically.

1.4.1 When a new definition is added to this terminology standard, or the wording of a definition is revised, the date of the change shall be appended to the new or revised definition.

1.5 For literature related to plastics terminology, see Appendix X1.

1.6 Subsections 1.6.1 – 1.6.5 contain references to specific terminology standards that are relevant to specific plastic products or applications. In case of conflict between a definition contained in Terminology D883 and one contained in another standard, the definition given in Terminology D883 shall prevail.

1.6.1 For terms related to thermal insulation, the applicable definitions are contained in Terminology C168.

1.6.2 For terms related to electrical or electronic insulating materials, the applicable definitions are contained in Terminology D1711.

1.6.3 For terms relating to fire, the applicable definitions are contained in Terminology E176 and ISO 13943. In case of conflict between Terminology E176 and ISO 13943, the definitions given in Terminology E176 shall prevail.

1.6.4 For terms relating to precision and bias and associated issues, the applicable definitions are contained in Terminology E456.

1.6.5 For terms related to plastic piping systems, the applicable definitions are contained in Terminology F412.

1.7 *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]

C162 Terminology of Glass and Glass Products
C168 Terminology Relating to Thermal Insulation
D638 Test Method for Tensile Properties of Plastics
D747 Test Method for Apparent Bending Modulus of Plastics by Means of a Cantilever Beam (Withdrawn 2019)[3]
D790 Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
D882 Test Method for Tensile Properties of Thin Plastic Sheeting
D907 Terminology of Adhesives
D1003 Test Method for Haze and Luminous Transmittance of Transparent Plastics
D1711 Terminology Relating to Electrical Insulation
D4703 Practice for Compression Molding Thermoplastic Materials into Test Specimens, Plaques, or Sheets
E176 Terminology of Fire Standards
E308 Practice for Computing the Colors of Objects by Using the CIE System
E456 Terminology Relating to Quality and Statistics

[1] This terminology is under the jurisdiction of ASTM Committee D20 on Plastics and is the direct responsibility of Subcommittee D20.92 on Terminology.

Current edition approved Feb. 1, 2024. Published February 2024. Originally approved in 1946. Last previous edition approved in 2023 as D883 - 23. DOI: 10.1520/D0883-24.

[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.

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

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

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