



Standard Specification for Coextruded Composite Pipe¹

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1. Scope*

1.1 This specification covers coextruded composite pipe, produced by a coextrusion die system, in which the concentric layers are formed and combined before exiting the die.

1.1.1 The function of this specification is to provide standardization of product, to produce technical data, and to serve as a purchasing guide.

1.2 Compounds that do not meet the requirements of the material section are excluded.

1.3 The coextruded composite pipe is permitted to be perforated in accordance with any specified standard or by agreement between the purchaser and the supplier.

1.4 The coextruded composite pipe is permitted to be belled for joining by solvent cementing or belled for joining by an elastomeric seal (gaskets), in accordance with any specified standard or by agreement between the purchaser and the supplier.

1.5 Recommendations for storage, joining, installation, and rationale are listed in [Appendix X1](#), [Appendix X2](#), [Appendix X3](#), and [Appendix X4](#), respectively.

1.6 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.7 The text of this specification references notes, footnotes, and appendixes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of this specification.

1.8 *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.*

NOTE 1—Related specifications are as follows: [D2661](#), [D2665](#), [D2729](#), [D2750](#), [D2751](#), [D2949](#), [D3034](#), [F512](#), [F628](#), [F758](#), [F789](#), and [F891](#).

¹ This specification is under the jurisdiction of ASTM Committee [F17](#) on Plastic Piping Systems and is the direct responsibility of Subcommittee [F17.11](#) on Composite.

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2. Referenced Documents

2.1 The following standards contain provisions which, though referenced in this specification, constitute provisions of this specification. All standards are subject to revision and parties using this specification shall reference the most recent edition of the standards listed as follows.

2.2 ASTM Standards:²

- [D618 Practice for Conditioning Plastics for Testing](#)
- [D696 Test Method for Coefficient of Linear Thermal Expansion of Plastics Between –30°C and 30°C with a Vitreous Silica Dilatometer](#)
- [D883 Terminology Relating to Plastics](#)
- [D1600 Terminology for Abbreviated Terms Relating to Plastics](#)
- [D1898 Practice for Sampling of Plastics \(Withdrawn 1998\)³](#)
- [D1972 Practice for Generic Marking of Plastic Products \(Withdrawn 2014\)³](#)
- [D2122 Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings](#)
- [D2235 Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe and Fittings](#)
- [D2321 Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications](#)
- [D2412 Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading](#)
- [D2444 Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup \(Falling Weight\)](#)
- [D2564 Specification for Solvent Cements for Poly\(Vinyl Chloride\) \(PVC\) Plastic Piping Systems](#)
- [D2661 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings](#)
- [D2665 Specification for Poly\(Vinyl Chloride\) \(PVC\) Plastic Drain, Waste, and Vent Pipe and Fittings](#)
- [D2729 Specification for Poly\(Vinyl Chloride\) \(PVC\) Sewer Pipe and Fittings](#)

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