



Designation: F 1488 – 00^{€1}

An American National Standard

Standard Specification for Coextruded Composite Pipe¹

This standard is issued under the fixed designation F 1488; 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} NOTE—Section 12 was editorially updated in December 2002.

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 Materials listed in the material section are permitted to be used in any layer of the coextruded composite pipe. When coextruded composite pipe is produced with three layers, the middle layer is permitted to be solid or thermally foamed.

1.1.2 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 Appendixes X1, X2, X3, and X4, respectively.

1.6 The values stated in inch-pound units are to be regarded as the standard. A companion standard written in SI units is under development.

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: D 2661, D 2665,

D 2729, D 2750, D 2751, D 2949, D 3034, F 512, F 628, F 758, F 789, and F 891.

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:

D 618 Practice for Conditioning Plastics and Electrical Insulating Material for Testing²

D 696 Test Method for Coefficient of Linear Thermal Expansion of Plastics Between –30C and 30C²

D 883 Terminology Relating to Plastics²

D 1600 Terminology for Abbreviated Terms Relating to Plastics²

D 1898 Practice for Sampling of Plastics³

D 1972 Practice for Generic Marking of Plastic Products²

D 2122 Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings⁴

D 2235 Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings⁴

D 2321 Practice for Underground Installation of Flexible Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications⁴

D 2412 Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading⁴

D 2444 Test Method for Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)⁴

D 2564 Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems⁴

D 2661 Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings⁴

D 2665 Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings⁴

D 2729 Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings⁴

¹ This specification is under the jurisdiction of ASTM Committee F-17 on Plastic Piping and is the direct responsibility of Subcommittee F17.11 on Composite.

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² *Annual Book of ASTM Standards*, Vol 08.01.

³ Discontinued; see 1997 *Annual Book of ASTM Standards*, Vol 08.01.

⁴ *Annual Book of ASTM Standards*, Vol 08.04.