



Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe With a Cellular Core¹

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ε¹ NOTE—Section 10 was editorially revised in December 2002.

1. Scope

1.1 This specification covers coextruded poly(vinyl chloride) (PVC) plastic pipe with a cellular core and concentric inner and outer solid layers, and is produced using a multilayer coextrusion die for nonpressure use in three series: an IPS Schedule 40 series; a PS series with an iron pipe size outside diameter with varying wall thickness as required for pipe stiffness of 25, 50, and 100; and a sewer and drain series.

1.2 The function of this specification is to provide standardization of product-technical data and serve as a purchasing guide.

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

NOTE 1—All the pipe series covered by this specification are permitted to be perforated or belled for joining by solvent cement or belled for joining by an elastomeric seal (gasket). Because this pipe is OD controlled, the inside diameter will vary, and therefore, the pipe ID is not suitable for use as a socket.

1.4 *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.*

1.5 The values stated in inch-pound units are to be regarded as the standard.

NOTE 2—Specifications related to this specification are as follows: D 2665, D 2729, D 3034, F 512, F 758, and F 789.

2. Referenced Documents

2.1 ASTM Standards:

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

D 1600 Terminology for Abbreviated Terms Relating to Plastics²

D 1898 Practice for Sampling of Plastics³

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

D 2152 Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion⁴

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

D 2672 Specification for Joints for IPS PVC Pipe Using Solvent Cement⁴

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

D 2855 Practice for Making Solvent-Cemented Joints With Poly(Vinyl Chloride) (PVC) Pipe and Fittings⁴

D 3034 Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings⁴

D 3212 Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals⁴

D 3311 Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns⁴

D 4396 Specification for Rigid Poly(Vinyl Chloride) (PVC) and Related Plastic Compounds for Nonpressure Piping Products⁵

F 402 Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings⁴

¹ This specification is under the jurisdiction of ASTM Committee F-17 on Plastic Piping Systems and is the direct responsibility of Subcommittee F17.25 on Vinyl Based Pipe.

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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.

⁵ Annual Book of ASTM Standards, Vol 08.03.