



Standard Specification for Poly(Vinyl Chloride) (PVC) Gasketed Sewer Fittings¹

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1. Scope*

1.1 This specification covers requirements and test methods for fabricated or molded poly(vinyl chloride) (PVC) gasketed sewer fittings to be used with piping manufactured to Specifications [D3034](#), [F679](#), [F891](#) or [F1760](#). Fabricated fittings may be manufactured from pipe, or from a combination of pipe and injection molded parts, or from injection molded parts.

1.2 The requirements of this specification are to provide fabricated or molded PVC gasketed fittings suitable for non-pressure drainage of sewage and surface water, as well as applications involving subsurface drainage.

NOTE 1—Industrial waste lines should be installed only with the specific approval of the governing code authority when using chemicals not commonly found in drains and sewers or temperatures in excess of 140°F (60°C), or both.

1.3 Fittings produced to this specification are intended to be installed with pipe, in accordance with Practice [D2321](#).

1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.5 The following precautionary caveat pertains to the test method portion only, Section 10, of this specification. *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.*

2. Referenced Documents

2.1 ASTM Standards:²

[D618](#) Practice for Conditioning Plastics for Testing

[D1600](#) Terminology for Abbreviated Terms Relating to Plastics

[D1784](#) Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds

[D2122](#) Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings

[D2321](#) Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications

[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

[D2749](#) Symbols for Dimensions of Plastic Pipe Fittings

[D3034](#) Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings

[D3212](#) Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals

[F412](#) Terminology Relating to Plastic Piping Systems

[F477](#) Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe

[F610/F610M](#) Practice for Evaluating the Quality of Molded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique

[F656](#) Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings

[F679](#) Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings

[F891](#) Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe With a Cellular Core

[F913](#) Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe

[F1760](#) Specification for Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content

2.2 Federal Standard:

[Fed. Std. No. 123](#) Marking for Shipment (Civil Agencies)³

2.3 Military Standard:

[MIL-STD-129](#) Marking for Shipment and Storage³

¹ This specification is under the jurisdiction of ASTM Committee [F17](#) on Plastic Piping Systems and is the direct responsibility of Subcommittee [F17.62](#) on Sewer. Current edition approved Nov. 1, 2015. Published December 2015. Originally approved in 1991. Last previous edition approved in 2007 as F1336 – 07. DOI: 10.1520/F1336-15.

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 DLA Document Services Building 4/D 700 Robbins Avenue Philadelphia, PA 19111-5094 <http://quicksearch.dla.mil/>