



Standard Specification for Poly (Vinyl Chloride) (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems¹

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1. Scope*

1.1 This specification describes material and physical requirements for nonrigid poly (vinyl chloride) (PVC) preformed molded and spliced gaskets used in mechanical couplings. These couplings are used in gravity flow drain, waste, and vent (DWV), sewer, sanitary, and storm plumbing systems. They include couplings to join similar and dissimilar piping sizes and piping material.

1.2 Recycled materials may be used in this product in accordance with the requirements in Section 4.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are given for information only.

NOTE 1—There are no ISO standards covering the primary subject matter of this specification.

1.4 The following safety hazards caveat pertains only to the test method portion, Section 7, 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

- C 717 Terminology of Building Seals and Sealants
- D 412 Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- D 471 Test Method for Rubber Property—Effect of Liquids
- D 573 Test Method for Rubber—Deterioration in an Air Oven

¹ This specification is under the jurisdiction of ASTM Committee D20 on Plastics and is under the direct responsibility of Subcommittee D20.24 on Plastic Building Products.

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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.

- D 618 Practice for Conditioning Plastics and Electrical Insulating Materials for Testing
- D 624 Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
- D 746 Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
- D 883 Terminology Relating to Plastics
- D 1149 Test Method for Rubber Deterioration—Surface Ozone Cracking in a Chamber
- D 1203 Test Methods for Volatile Loss from Plastics Using Activated Carbon Method
- D 1600 Terminology for Abbreviated Terms Relating to Plastics
- D 1898 Practice for Sampling of Plastics
- D 2240 Test Method for Rubber Property—Durometer Hardness
- D 2287 Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Molding and Extrusion Compounds
- D 3892 Practice for Packaging/Packing of Plastics
- D 5033 Guide for the Development of Standards Relating to the Proper Use of Recycled Plastics
- D 6147 Test Method for Vulcanized Rubber and Thermoplastic Elastomer—Determination of Force Decay (Stress Relaxation) in Compression

3. Terminology

3.1 *General*—Definitions are in accordance with Terminologies C 717, D 883 and D 1600, unless otherwise indicated.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *flash*—the excess material protruding from the surface of a molded article at the mold junction.

4. Materials and Manufacture

4.1 This specification covers preformed gaskets made principally from virgin nonrigid PVC molding compound conforming to the requirements of Specification D 2287 for general purpose, electrical requirements excluded class PVC 30267, 40366 or 50465. Refer to Table 1 in Specification D 2287.

4.1.1 This class compound has the following material property requirements:

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