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ASTM D1785 - 15e1 Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120.

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Abbreviation

ASTM D1785 - 15e1

Valid from

01/03/2018

Information provider

American Society of Testing and Materials

Author

American Society of Testing and Materials

Information type

ASTM Standard

Format

PDF, Hard copy

Cited By

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Description

This specification covers poly(vinyl chloride) (PVC) plastic pipe, schedules 40, 80, and 120 for use with the distribution of pressurized liquids only.

This specification also includes classification criteria, nomenclature system, test methods, requirements, workmanship, dimensions, sustained pressure, burst pressure, flattening, extrusion quality, finish, appearance, and marking methods for PVC plastic pipe. PVC pipe covered are marked with one of six type/grade/design stress designation and defined by four hydrostatic design stresses. PVC plastics are categorized by short-term and long term-strength tests.

Scope

1 This specification covers poly(vinyl chloride) (PVC) pipe made in Schedule 40, 80, and 120 sizes and pressure-rated for water (see Appendix X1). Included are criteria for classifying PVC plastic pipe materials and PVC plastic pipe, a system of nomenclature for PVC plastic pipe, and requirements and test methods for materials, workmanship, dimensions, sustained pressure, burst pressure, flattening, and extrusion quality. Methods of marking are also given.

2 The products covered by this specification are intended for use with the distribution of pressurized liquids only, which are chemically compatible with the piping materials. Due to inherent hazards associated with testing components and systems with compressed air or other compressed gases some manufacturers do not allow pneumatic testing of their products. Consult with specific product/component manufacturers for their specific testing procedures prior to pneumatic testing.

3 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 the specification.

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.

5 The following safety hazards caveat pertains only to the test methods portion, Section 8, 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use. A specific precautionary statement is given in Note 9.

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