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ASTM F438-09 Standard Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40

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Abbreviation

ASTM F438-09

Valid from

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Information provider

American Society of Testing and Materials

Author

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ASTM Standard

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PDF

Cited By

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Description

This specification covers chlorinated poly(vinyl chloride) (CPVC) Schedule 40 socket-type pipe fittings intended for use with Iron Pipe Size (IPS) outside-diameter plastic pipe in the distribution of pressurized liquids only, which are chemically compatible with the piping materials.

Fittings covered by this specification are normally molded. In-line fittings, such as couplings, unions, bushings, caps, nipples, and the like, shall be molded or machined from extruded stock. Fittings fabricated by backwelding are not included in this specification. The pipe fittings shall be subject to a burst pressure test

Scope

This specification covers chlorinated poly(vinyl chloride) (CPVC) Schedule 40 socket-type pipe fittings. Included are requirements for materials, workmanship, dimensions, and burst pressure.

Note 1) The CPVC fittings covered by this standard were covered previously in Specification D 2466.

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.

Note 2) Pressurized (compressed) air or other compressed gases contain large amounts of stored energy, which present

serious safety hazards should a system fail for any reason.

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.

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.

The following safety hazards caveat pertains only to the test method 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 and health practices and determine the applicability of regulatory limitations prior to use.

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This document is CITED BY:

- [NZS 4515:2009](#)

ASTM F438-09 is cited by NZS 4515:2009 Fire sprinkler systems for life safety in sleeping occupancies (up to 2000 square metres)

- [NZS 4541:2013](#)

ASTM F438-09 is cited by NZS 4541:2013 Automatic fire sprinkler systems

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