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## ASTM F493 - 10

### Standard Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings

This specification covers requirements for solvent cements for chlorinated poly(vinyl chloride) (CPVC) plastic pipe, tubing, and socket-type fittings. Solvent cement shall be a CPVC resin-based solution, shall be free-flowing, shall show no gelation or stratification, and shall not contain lumps or any foreign matter. Other requirements include resin content, dissolution, viscosity, shelf stability, hydrostatic burst strength, and hydrostatic sustained pressure strength. Test procedures for solid contents, inert filler determination, viscosity, hydrostatic burst strength, and hydrostatic sustained pressure strength are included in this specification.

- 1.1 This specification provides requirements for chlorinated poly(vinyl chloride) (CPVC) solvent cements to be used in joining chlorinated poly(vinyl chloride) pipe, tubing, and socket-type fittings.
- 1.2 CPVC solvent cements are used with CPVC 41 chlorinated poly(vinyl chloride) pipe, tubing, and fittings, which meet Class 23447 as defined in Specification D1784.
- 1.3 A recommended procedure for joining CPVC pipe and fittings is given in Appendix X1.
- 1.4 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.
- 1.5 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.
- 1.6 The following safety hazards caveat pertains only to the test methods portion, Section 6, 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.