



Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings¹

This standard is issued under the fixed designation D2235; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers solvent cement for joining acrylonitrile-butadiene styrene (ABS) plastic pipe and fittings for pressure and nonpressure systems.

1.2 Recommendation for using solvent cement for joining acrylonitrile-butadiene-styrene (ABS) plastic pipe and fittings is given in [Appendix X1](#). Satisfactory joining of pipe and fittings cannot be made in the presence of water, as water destroys the bonding ability of solvent cement; therefore, all materials must be dry for satisfactory joining.

1.3 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.

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 safety hazards caveat pertains only to the test methods 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

- [D329 Specification for Acetone](#)
- [D618 Practice for Conditioning Plastics for Testing](#)
- [D740 Specification for Methyl Ethyl Ketone](#)
- [D883 Terminology Relating to Plastics](#)

¹ This specification is under the jurisdiction of ASTM Committee [F17](#) on Plastic Piping Systems and is the direct responsibility of Subcommittee [F17.20](#) on Joining. Current edition approved Nov. 1, 2016. Published November 2016. Originally approved in 1963. Last previous edition approved 2011 as D2235 – 04(2011). DOI: 10.1520/D2235-04R16.

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.

- [D1084 Test Methods for Viscosity of Adhesives](#)
- [D1527 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe, Schedules 40 and 80 \(Withdrawn 2013\)³](#)
- [D2282 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe \(Withdrawn 2006\)³](#)
- [D2465 Specification for Threaded Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe Fittings, Schedule 80 \(Withdrawn 1985\)³](#)
- [D2468 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe Fittings, Schedule 40 \(Withdrawn 2003\)³](#)
- [D2469 Specification for Socket-Type Acrylonitrile-Butadiene-Styrene \(ABS\) Plastic Pipe Fittings, Schedule 80 \(Withdrawn 1985\)³](#)
- [D2661 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings](#)
- [D2680 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) and Poly\(Vinyl Chloride\) \(PVC\) Composite Sewer Piping](#)
- [D2750 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Plastics Utilities Conduit and Fittings \(Withdrawn 1997\)³](#)
- [D2751 Specification for Acrylonitrile-Butadiene-Styrene \(ABS\) Sewer Pipe and Fittings \(Withdrawn 2014\)³](#)
- [D1600 Terminology for Abbreviated Terms Relating to Plastics](#)
- [D3965 Classification System and Basis for Specifications for Rigid Acrylonitrile-Butadiene-Styrene \(ABS\) Materials for Pipe and Fittings](#)
- [F402 Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings](#)
- [F409 Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings](#)
- [F412 Terminology Relating to Plastic Piping Systems](#)
- [F493 Specification for Solvent Cements for Chlorinated Poly\(Vinyl Chloride\) \(CPVC\) Plastic Pipe and Fittings](#)

³ The last approved version of this historical standard is referenced on www.astm.org.