

Product Specification

- System:** ABS Plus Foam Core DWV Pipe and ABS DWV Fitting System
- Scope:** This specification covers ABS/PVC composite, cellular core (foam core) pipe and ABS DWV fittings used in sanitary drain, waste, and vent (DWV) and sewer applications. This system is intended for use in non-pressure applications where the operating temperature will not exceed 140°F.
- Specification:** Pipe shall be manufactured from virgin rigid ABS (acrylonitrile-butadiene-styrene) compounds with a minimum cell class of 42222 as identified in ASTM D 3965. Fittings shall be manufactured from virgin rigid ABS compounds with a Cell Class of 32222 as identified in ASTM 3965.

ABS/ PVC/ABS foam core pipe shall be Iron Pipe Size (IPS) conforming to ASTM F1488. ABS DWV fittings shall conform to ASTM D2661. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made with solvent cement conforming to ASTM D 2235. The system shall be protected from chemical agents, fire stopping materials, thread sealant, or other aggressive chemical agents not compatible with ABS compounds. Systems shall be hydrostatically tested after installation. **WARNING!** Never test with or transport/store compressed air or gas in ABS pipe or fittings.

Referenced Standards*:

- ASTM D 3965 Rigid ABS Compounds
- ASTM F 1488 Co-extruded Composite Pipe
- ASTM D 2661 ABS Drain, Waste, and Vent Fittings
- ASTM D 2235 Solvent Cements for ABS Pipe and Fittings
- ASTM D 2321 Underground Installation of Thermoplastic Pipe (non-pressure applications)
- ASTM F 656 Primers for PVC Pipe and Fittings
- ASTM F 1668 Procedures for Buried Plastic Pipe
- NSF Standard 14 Plastic Piping Components and Related Materials

*Note: Latest revision of each standard applies.