

CHARLOTTE

PIPE AND FOUNDRY COMPANY

System: ABS Cellular Core (Foam Core) Pipe and ABS DWV Fitting System

Scope: This specification covers ABS cellular core (foam core) pipe and ABS DWV fittings used in sanitary drain, waste, and vent (DWV), sewer, and storm drainage applications. This system is intended for use in non-pressure applications where the operating temperature will not exceed 160°F.

Specification: Pipe shall be manufactured from virgin rigid ABS (acrylonitrile-butadiene-styrene) compounds with a 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 D 3965.

ABS cellular core pipe shall be Iron Pipe Size (IPS) conforming to ASTM F 628. ABS DWV fittings shall conform to ASTM D 2661. 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 a 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 628	Co-extruded ABS Pipe with Cellular Core
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 (nonpressure applications)
ASTM F 1668	Procedures for Buried Plastic Pipe
NSF Standard 14	Plastic Piping Components and Related Materials

Note: Latest revision of each standard applies.