

SUBMITTAL FOR CHARLOTTE PIPE® ABS PLUS® FOAM CORE DWV PIPE AND ABS DWV FITTING SYSTEM

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

► Scope:

This specification covers ABS/PVC composite, cellular (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 D 3965.

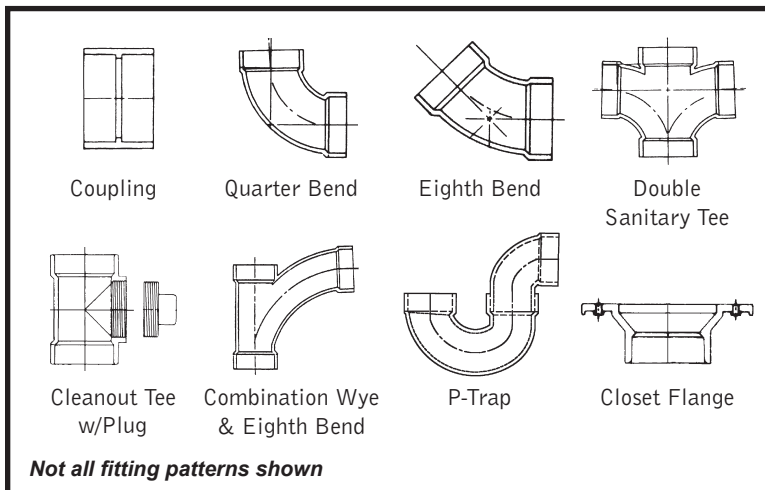
ABS/PVC/ABS foam core pipe shall be Iron Pipe Size (IPS) conforming to ASTM F 1488. Injection molded ABS DWV fittings shall conform to ASTM D 2661. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

► Installation:

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, plasticized-vinyl products or other aggressive chemical agents not compatible with ABS compounds. The system shall be hydrostatically tested after installation. **WARNING!** Never test with or transport/store compressed air or gas in ABS pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

► 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 1668: Procedures for Buried Plastic Pipe
- NSF Standard 14: Plastic Piping Components and Related Materials



ABS Plus® Foam Core DWV Pipe

ABS Plus Schedule 40 DWV Pipe (For Non-Pressure Applications)



ABS PLUS SCHEDULE 40 FOAM CORE (BLACK)				PLAIN END		ASTM F 1488
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
ABS 17112	1½" x 10'	12495	2590'	1.900	0.145	31.4
ABS 17112	1½" x 20'	12494	5180'	1.900	0.145	31.4
ABS 17200	2" x 10'	12497	1670'	2.375	0.154	41.9
ABS 17200	2" x 20'	12496	3340'	2.375	0.154	41.9
ABS 17300	3" x 10'	12499	750'	3.500	0.216	84.0
ABS 17300	3" x 20'	12498	1500'	3.500	0.216	84.0
ABS 17400	4" x 10'	12501	480'	4.500	0.237	118.8
ABS 17400	4" x 20'	12500	960'	4.500	0.237	118.8