CHARLOTTE PIPE AND FOUNDRY COMPANY®

SUBMITTAL FOR CHARLOTTE PIPE®
ABS CELLULAR (FOAM CORE) PIPE AND ABS DWV FITTING SYSTEM

Date: _____

Job Name: _____ Location: _____

Engineer: _____ Contractor: _____

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 140° F.

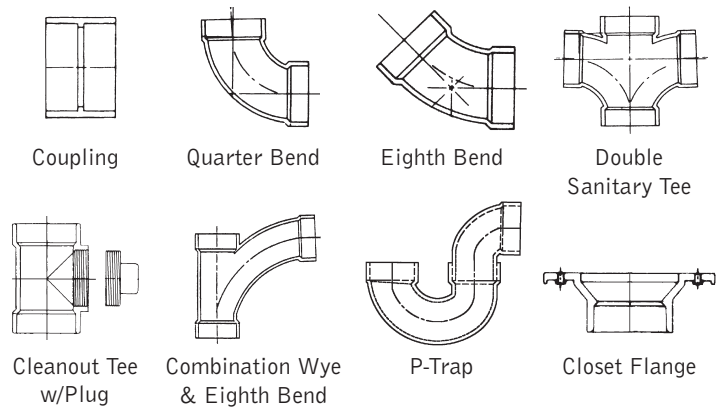
Specification:
Pipe shall be manufactured from virgin rigid ABS (acrylonitrile-butadiene-styrene) compounds with a cell class of 42222 as identified in ASTM D 3965. Fittings shall be manufactured from virgin rigid ABS compounds with a cell class of 32222 as identified in ASTM D 3965.

ABS cellular core pipe shall be Iron Pipe Size (IPS) conforming to ASTM F 628. Injection molded ABS DWV fittings shall conform to ASTM D 2661. All systems shall utilize a separate waste and vent system. All pipe and fittings shall be manufactured in the United States. 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 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 (non-pressure applications)
ASTM F 1668:	Procedures for Buried Plastic Pipe
NSF Standard 14:	Plastic Piping Components and Related Materials



Not all fitting patterns shown

MADE IN USA

ABS Foam Core Pipe

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

NSF

ABS SCHEDULE 40 FOAM CORE (BLACK)			PLAIN END			ASTM F 628
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
ABS 3112	1½″ x 10′	03132	2590′	1.900	0.145	27.1
ABS 3112	1½″ x 20′	03133	5180′	1.900	0.145	27.1
ABS 3200	2″ x 10′	03134	1670′	2.375	0.154	37.7
ABS 3200	2″ x 20′	03135	3340′	2.375	0.154	37.7
ABS 3300	3″ x 10′	03136	750′	3.500	0.216	74.5
ABS 3300	3″ x 20′	03137	1500′	3.500	0.216	74.5
ABS 3400	4″ x 10′	03138	480′	4.500	0.237	107.1
ABS 3400	4″ x 20′	03139	960′	4.500	0.237	107.1
ABS 3600	6″ x 10′	03140	200′	6.625	0.280	187.8
ABS 3600	6″ x 20′	03141	400′	6.625	0.280	187.8

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FO-SUB-ABS (3-11-19)