

# ABS SOLID WALL PIPE AND ABS DWV FITTING SYSTEM

## Scope:

This specification covers ABS SolidWall 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 180° 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 D2661. 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 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 D 2661:     | ABS Pipe Solid Wall DWV 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                            |

|  | Pipe Size  | Part Number | Dimensions |                     |              | Pieces Per Lift |
|--|------------|-------------|------------|---------------------|--------------|-----------------|
|  |            |             | O.D. (in)  | Nom. Pipe Size (in) | Weight (lbs) |                 |
|  | 1-1/2"×10' | ABPSC11210  | 1.900      | 1.5                 | 3.6          | 259             |
|  | 1-1/2"×20' | ABPSC112    | 1.900      | 1.5                 | 7.2          | 259             |
|  | 2"×10'     | ABPSC210    | 2.375      | 2                   | 5            | 167             |
|  | 2"×20'     | ABPSC2      | 2.375      | 2                   | 10           | 167             |
|  | 3"×10'     | ABPSC310    | 3.5        | 3                   | 10           | 75              |
|  | 3"×20'     | ABPSC3      | 3.5        | 3                   | 20           | 75              |
|  | 4"×10'     | ABPSC410    | 4.5        | 4                   | 14           | 48              |
|  | 4"×20'     | ABPSC4      | 4.5        | 4                   | 28           | 48              |
|  | 6"×10'     | ABPSC610    | 6.625      | 6                   | 26           | 20              |
|  | 6"×20'     | ABPSC6      | 6.625      | 6                   | 52           | 20              |

Highlighted Sizes are Stocked Items - All other sizes, additional lead times may apply.

