



ABS
SUBMITTAL SPECIFICATIONS
DATA SHEET

1. PRODUCT NAME

Acrylonitrile Bultadiene Styrene (ABS) Plastic Pipe and Fittings for Drainage, Waste and Vent Systems

2. PRODUCT DESCRIPTION

Basic Use: Sanitary drainage, waste, and vent systems and storm drainage systems. ABS pipe can be used in residential, commercial and industrial applications. Pipe and fittings are joined by solvent cementing. There is a full complement of ABS drainage pattern fittings available for DWV applications. Pipe and fittings are available in size 1 ¼ inch through 8 inches in diameter.

Composition and Materials: ABS is a thermoplastic material made with virgin ABS compounds meeting the ASTM requirements of Cell Classification 4-2-2-2-2 (pipe) and 3-2-2-2-2- (fittings). Pipe is available in both solid wall and cellular core all. These can be used interchangeably.

Grades: ABS pipe is identified as Schedule 40 pipe. This indicates the wall thickness of the pipe. The pipe can also be installed above or below grade.

Limitations: ABS pipe is intended to be used in any conventional sanitary drainage or storm drainage system. Pipe is resistant to certain chemicals, however, specific analysis must be performed before pipe is

considered for any special waste system. Contact the pipe manufacturer for a detailed list of chemicals that can be satisfactorily discharged through ABS pipe.

Plastics are affected by ultraviolet (U/V) radiation. Pigments are added to the ABS to make pipe and fittings resistant to degradation. Pipe and fittings may be exposed to sunlight during construction, however, prolonged exposure is not advised.

ABS pipe and fittings can withstand the normal temperatures encountered in a sanitary and storm drainage system. Recommended maximum temperature for continuous drainage applications is 180°F.

3. TECHNICAL DATA

Applicable Standards: ABS, for DWV applications, conforms to either ASTM D 2661, ASTM F 628 or CSA CAN/CSA B181.1. ASTM D 2661 specifies requirements for solid wall pipe. ASTM F 628 specifies requirements for pipe having a cellular core.

Quality Control: Pipe and fittings are listed and inspected by a third party. They conform to National Sanitation Foundation Standard NSF 14, IAPMO - Uniform Plumbing Code and the Canadian Standards Association.

Fire Protection: ABS pipe and fittings are combustible materials, however, they

may be installed in noncombustible buildings. In all cases the model building codes have determined that ABS must be protected at penetrations of walls, floors, ceilings, and fire resistance rated assemblies. The method of protecting the pipe penetration is by a through penetration protection assembly that has been tested and rated in accordance with ASTM E814. The “F” rating for the thorough penetration protection assembly. The “F” rating must be a minimum of the hourly rating of the fire resistance rated assembly that the ABS plastic pipe penetrates. Verify local code inter-pretations related to through penetrations with the jurisdiction having authority.

Plumbing Codes: ABS pipe is permitted to be used in any sanitary drainage, waste, and vent system and storm drainage system without limitation, in the following model plumbing codes: BOCA National Plumbing Code, NAPHCC National Standard Plumbing Code and SBCCI Standard Plumbing Code. ABS plastic pipe is limited to being installed in buildings three stories above grade or less in height by the IAPMO Uniform Plumbing Code.

Verify acceptance and installation of ABS piping systems with local code enforcement authorities having jurisdiction.

APPROVAL

Schedule 40 drain waste and vent pipe shall be Rocky Mountain Colby Pipe Company ABS/DWV Cellular Core Plastic Pipe built to ASTM F628 standards and certified by a recognized listing agency.

INFORMATION:

Contact Local Rocky Mountain Colby Pipe Company Representative or Our Sales office at 800-681-8682

ABS SCHEDULE 40 DRAIN, WASTE, AND VENT PIPE WITH A CELLULAR CORE ASTM F-628

Listed with NSF®

Nominal Pipe Size	Average Outside Diameter	Minimum Wall Thickness	Average Weight Per Lift	Length	Lift Size	Pieces Per Lift
1-1/4"	1.660	0.140	992#	20'	4,000	200
1-1/2"	1.900	0.145	1,347#	20'	5,180'	259
			674#	10'	2,590'	259
2"	2.375	0.154	1,169#	20'	3,340'	167
			585#	10'	1,670'	167
3"	3.500	0.216	1,050#	20'	1,500'	75
			525#	10'	750'	75
4"	4.500	0.237	960#	20'	960'	48
			480#	10'	480'	48
6"	6.625	0.280	864#	20'	360'	18