



FLYING "W" PLASTICS, Inc.

*P.O. BOX 759
GLENVILLE, WV 26351
304-462-5779*

Standard Specification for PVC Sewer & Drain Pipe ASTM D 2729

◆ Scope

This specification covers Flying "W" Plastics, Inc. PVC Sewer and Drain pipe manufactured in accordance with ASTM D 2729. This pipe is designed and has the physical, chemical, and other properties for sewer and drainage applications outside the building.

◆ Typical applications:

Building sewers and underground drains - standard.

Storm drainage - standard and perforated.

House connections to septic tanks - standard.

Leaching system piping for septic tank effluents - standard and perforated.

Footing drains (foundation drains) - standard and perforated.

Land drainage - standard and perforated.

◆ Dimensional Specifications

Nominal Pipe Size	Part Number	Average Outside Diameter	Average Wall Thickness	Average weight per foot	Minimum Pipe Stiffness at 5% Deflection*
3"	SD1030 Standard SD1031 Perforated	3.250"	0.070"	.44#	19psi
4"	SD1040 Standard SD1041 Perforated	4.215"	0.075"	.63#	11psi
6"	SD1060 Standard SD1061 Perforated	6.275"	0.100"	1.22#	8psi

- The 5% deflection criterion, which was arbitrarily selected for testing convenience, should not be considered as limitation with respect to in-use deflection. The engineer is responsible for establishing the acceptable limit.
- All pipe shall be supplied in 10 ft plus or minus 1/4" laying lengths unless otherwise specified. For Belled pipe fabricated from pipe sections, the thickness of the belled section shall be considered satisfactory if the bell was formed from pipe meeting the wall thicknesses listed in the table above.

Specification for ASTM D 2729 (continued)

◆ Installation

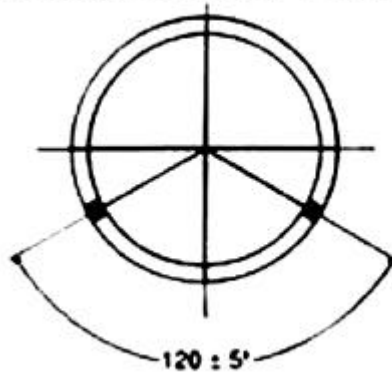
Pipe shall be installed in accordance with ASTM D 2321 (Standard Practice for Underground Installation of Thermoplastics Pipe for Sewers and Other Gravity-Flow Applications).

Solvent cement - pipe shall be joined with fittings or to other like pipe by means of an approved solvent cement, see ASTM D 2564.

◆ Perforations

Unless otherwise specified, the perforated pipe shall have two rows of holes (1/2") in diameter on 5" centers, with allowable tolerances of plus or minus 1/8" on the diameter and plus 1/4" or minus 0" on the spacing, and the rows shall be parallel to the axis of the pipe and 120 degrees plus or minus 5 degrees apart.

**Typical 2-Row Pattern
Conforms to ASTM D-2729**



◆ Key features

- Resistance to corrosion and abrasion
- Resistance to chemicals normally found in sanitary sewer systems and drainage systems
- Smooth bore for improved flow characteristics
- Low cost installation
- Lightweight
- Resistance to root intrusion
- Long life expectancy
- 3000 pound crush ration

◆ Quality Assurance

All pipe marketed by Flying "W" Plastics with this designation, ASTM D 2729, is certified to have been manufactured, inspected, sampled, and tested in accordance with this specification and has been found to meet the requirements therein.