



Flying W Plastics, Inc.

PVC SEWER & DRAIN PIPE

P.V.C. Sewer and Drain pipe manufactured for the building and construction industry. Made to the specifications of ASTM D-2665, ASTM D-2729 and ASTM D-3034. Available in sizes 3"-6" in white or green. Palletized and banded for ease of shipping and handling. Comes in 10' lengths with a belled end in both solid and perforated. To place an order or to contact a distributor in your area, please call Flying "W" Plastics at 800-327-4735 or visit us on the web at flyingwplastics.com for more information

Typical Applications:

***Sewer & Underground Drains
House Septic Connections
Foundation Drains***

***Storm Drainage
Leaching Systems
Land Drainage***





Flying W Plastics, Inc.

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" 1000' pallets 48,000'/truck	SD1030 Solid SD1031 Perf.	3.250"	0.070"	.44#	19psi
4" 1200' pallets 28,800'/truck	SD1040 Solid SD1041 Perf.	4.215"	0.075"	.63#	11psi
6" 260' pallets 12,480'/truck	SD1060 Solid SD1061 Perf.	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.



Flying W Plastics, Inc.

Specification for ASTM D 2729 (continued)

◆ Installation

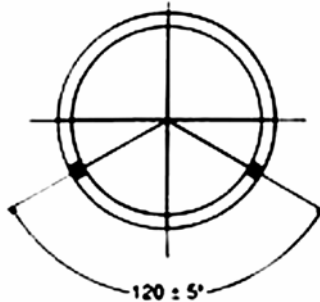
Pipe shall be installed in accordance with ASTM D 2321 (Standard Practice for Underground Installation of Thermoplastics Pipe for Sewers and Other Gravity-Flow Applications).

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.



Flying W Plastics, Inc.

Standard Specification for ASTM D 3034 (Cell Class 12454) Solvent Weld PVC Sewer & Drain Pipe

◆ Scope

This specification covers Flying "W" Plastics, Inc. PVC Sewer and Drain pipe manufactured in accordance with ASTM D 3034. This pipe is designed and has the physical, chemical, and other properties for non-pressure drainage of sewage and surface water.

◆ 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	Pallet / Truckload Quantities
4"	SWR-3540 Standard SWR-3541 Perforated	4.215"	0.120"	1.05#	1200' Pallets 28800' / Truck
6"	SWR-3560 Standard SWR-3561 Perforated	6.275"	0.180"	2.35#	260' Pallets 12480' / Truck

•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 thickness listed in the table above



Flying W Plastics, Inc.

Standard Specification for ASTM D 3034 Solvent Weld PVC Sewer & Drain Pipe (Continued)

◆ Installation

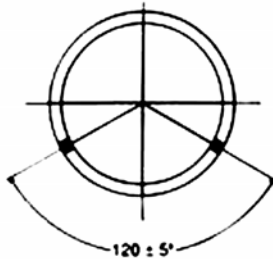
Pipe shall be installed in accordance with ASTM D 2321 (Standard Practice for Underground Installation of Thermoplastics Pipe for Sewers and Other Gravity-Flow Applications).

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-3034



◆ 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

◆ Quality Assurance

All pipe marketed by Flying "W" Plastics with this designation, ASTM D 3034, is certified to have been manufactured, inspected, sampled, and tested in accordance with this specification and has been found to meet the requirements therein



Flying W Plastics, Inc.

Standard Specification for PVC Sewer, Drain & Vent Pipe SCH 40 (Non-Pressure Rated)

◆ Scope

This specification covers Flying "W" Plastics, Inc. PVC Sewer and Drain pipe manufactured in accordance with the dimensional specifications of ASTM D 2665. This pipe is designed and has the physical, chemical, and other properties for sewer, drainage, and vent applications outside the building in non-pressure applications.

◆ 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	Pallet / Truckload Quantities
4"	SDD1040 Solid SDD1041 Perf.	4.50"	0.237"	2.04#	(10') 670' / 20,100' (20') 1340' / 20,100'

•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 10ft or 20ft 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.



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Specification for ASTM D 2665 (continued)

◆ Installation

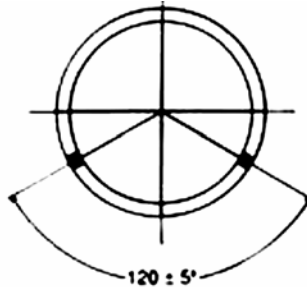
Pipe shall be installed in accordance with ASTM D 2321 (Standard Practice for Underground Installation of Thermoplastics Pipe for Sewers and Other Gravity-Flow Applications).

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
Conforming to ASTM D 2665



•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

Performance Tested

Long life expectancy

◆ Disclaimer

It is the responsibility of the installer to make certain that pipe conforms to local, state, Federal, DOT or other regulatory bodies that may have approved vendors or different specifications other than those listed herein.



Flying W Plastics, Inc.

FLYING W PLASTICS

P.V.C. Sewer & Drain and DWV Pipes

P.O. Box 759 Glenville, WV 26351

304-462-5779 Fax 304-462-7657 Sales 800-327-4735

PRODUCTS:

P.V.C. Sewer & Drain Pipe

Polyethylene Gas Pipe

Polyethylene Water Pipe

Polyethylene Utility Pipe and Conduit

