



# FLYING "W" PLASTICS, Inc.

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## 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	Pieces per Pallet
4"	SWR-3540 Standard SWR-3541 Perforated	4.215"	0.120"	1.05#	120
6"	SWR-3560 Standard SWR-3561 Perforated	6.275"	0.180"	2.35#	26

\* 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 thickness listed in the table above.

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

◆ **Installation**

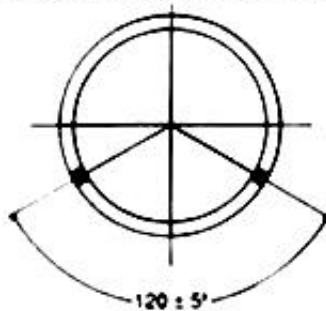
Pipe shall be installed in accordance with ASTM D 2321 (Standard Practice for Underground Installation of Thermoplastics Pipe for Sewers and Other Gravity-Flow Applications).

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.