

Technical Data Sheet
GRAVEL-LESS LEACHFIELD POLYETHYLENE DRAINAGE PIPE (GLS)

Standards

Springfield Plastics, Inc. corrugated polyethylene drainage pipe and fittings are manufactured for underground drainage applications where soil support is given to the flexible walls. The pipe is manufactured to the highest quality control standards using high quality high density polyethylene. The pipe meets or exceeds the following specifications:

ASTM F1418
ASTM D2122

Inside Diameter

Springfield Plastics pipe has a tolerance of +3% -1.5% of the specified inside diameter measured in accordance with ASTM D2122.

Outside Diameter

Sizes (in inches)	Outside Diameter (in inches)
8	9.375
10"	11.75

Holes

Holes shall be uniformly spaced along the length of the pipe as follows: 2 rows of holes 3/8 inch in diameter located 120 degrees apart along the bottom half of the pipe, each row 60 degree up from the bottom center line. The holes shall be staggered so that there is at least one hole in each corrugation.

Resistance to Extreme Conditions

Springfield Plastics plastic pipe is tested for environmental stress, cracking, high temperature strength and low temperature flexibility by an independent testing laboratory with no evidence of failure.

Elongation (Stretch)

The pipe shall have a maximum elongation of 5% when tested in accordance with Sec. 6.3.2 of ASTM F405.

Pipe Stiffness

The pipe will have a minimum pipe stiffness of 35 PSI at 5% deflection when tested in accordance with ASTM D2412.

Pipe Flattening

The pipe will withstand 20 percent deflection with no evidence of buckling, cracking, splitting or delamination.

Installation Requirements

Springfield Plastics GLS pipe should be installed in accordance with ASTM F481 - 94 "Installation of Thermoplastic Pipe and Corrugated Tubing in Septic Tank Leach Fields" and SPI installation procedures. Copy available upon request.