

ADS RECLAIMED IPS & CTS PRESSURE PIPE (PE4710)

ADS Reclaimed IPS & CTS Pressure Pipe is distinguished from its competition based on its flexibility and durability, which makes it ideal for a variety of applications.

ADS Reclaimed Pressure Pipe is strong and resistant to many common causes of damage such as vibrations, surface loads and pressure surges.

APPLICATIONS:

Landscape & Agricultural Irrigation Systems
Residential & Commercial Non-Potable Water Service Pipe
Reclaimed Water Transmission
Slurry Pipelines

FEATURES:

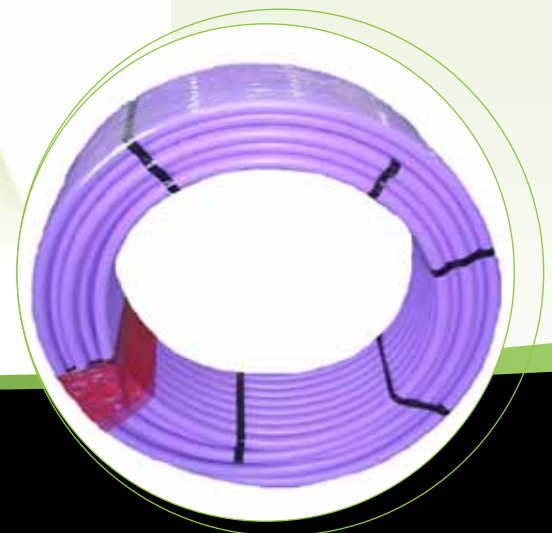
- Lavender color for easy identification
- Durable plastic material stands the test of time
- Flexibility makes it ideal for a variety of projects
- Strength withstands weather and the human element
- Incremental footage markers printed every 2 feet throughout each coil length
- Light weight
- Chemically resistant

BENEFITS:

- Resistant to rot or corrosion
- Fast and easy to install
- Quick installation provides cost-efficiency
- Flexible lengths can be installed in uneven terrain
- Available in many lengths

ADS Service: ADS representatives are committed to providing you with the answers to all your questions, including specifications, and installation and more.





ADS RECLAIMED WATER SERVICE PIPE (IPS) AND WATER SERVICE TUBING (CTS) PIPE SPECIFICATIONS

SCOPE

This specification describes ADS Reclaimed Water Service Pipe (IPS) SDR 7 and Reclaimed Water Service Tubing (CTS) Pipe SDR 9 for use in reclaimed water service applications.

PIPE REQUIREMENTS

ADS reclaimed water service pipe shall meet the requirements of ASTM D2239 (IPS) and ASTM D2737 (CTS) and AWWA C901. Pipe dimensions shall meet ID controlled Iron Pipe Size (IPS) and Copper Tubing Size (CTS) standards. ADS reclaimed water service pipe shall be lavender in color.

MATERIAL PROPERTIES

Pipe material shall be high-density polyethylene conforming to the minimum requirements of cell classification 445574E as defined and described in ASTM D3350. The resin shall have a material designation code of PE4710 by the Plastic Pipe Institute.

DISINFECTION/MAINTENANCE

The active chlorine content of disinfecting solutions shall not exceed 12%. All disinfecting solution must be flushed from all lines within the system. Industry accepted procedures, like ANSI/AWWA C651 *Disinfecting Water Mains*, should be followed for both new and repaired reclaimed water lines.

INSTALLATION

Installation is similar to other flexible pipe products. Methods including direct bury, plowing or pulling are applicable per local, state or federal guidelines for the application.

PIPE PROPERTIES

Reclaimed Water Service Pipe (IPS)

	SDR 7 (250 psi) PE 4710 IPS											
	1/2"		3/4"		1"		1 1/4"		1 1/2"		2"	
Inside Diameter (mm)	0.622 (15.8)	±0.01 ±0.25)	0.824 (20.9)	±0.015 ±0.38)	1.049 (26.6)	±0.02 ±0.51)	1.380 (35.1)	±0.02 ±0.51)	1.610 (40.9)	±0.02 ±0.51)	2.067 (52.5)	±0.02 ±0.51)
Wall Thickness (mm)	0.089 (2.3)	+0.02 +0.51)	0.118 (3.0)	+0.02 +0.51)	0.150 (3.8)	+0.02 +0.51)	0.197 (5.0)	+0.02 +0.51)	0.230 (5.8)	+0.03 +0.71)	0.295 (7.5)	+0.035 +0.89)
Pressure Rating @ 73° F, psi (kPa)	250 (1724)		250 (1724)		250 (1724)		250 (1724)		250 (1724)		250 (1724)	
Weight gm/ft (gm/m)	38 (125)	±2 ±7)	71 (233)	±2 ±7)	116 (381)	±3 ±10)	210 (689)	±5 ±16)	227 (745)	±5 ±16)	440 (1443)	±8 ±26)

Reclaimed Water Service Tubing (CTS)

	SDR 9 (250 psi) PE 4710 CTS									
	3/4"		1"		1 1/4"		1 1/2"		2"	
Outside Diameter (mm)	0.875 (22.2)	±0.004 ±0.10)	1.125 (28.6)	±0.005 ±0.13)	1.375 (34.9)	±0.005 ±0.13)	1.625 (41.3)	±0.006 ±0.15)	2.125 (54.0)	±0.006 ±0.51)
Wall Thickness (mm)	0.097 (2.5)	+0.01 +0.25)	0.125 (3.2)	+0.012 +0.30)	0.153 (3.9)	+0.015 +0.38)	0.181 (4.6)	+0.018 +0.46)	0.236 (6.0)	+0.024 +0.61)
Pressure Rating @ 73° F, psi (kPa)	250 (1724)		250 (1724)		250 (1724)		250 (1724)		250 (1724)	
Weight gm/ft (gm/m)	46 (151)	±2 ±7)	78 (256)	±3 ±10)	125 (410)	±4 ±13)	162 (531)	±4 ±13)	275 (902)	±5 ±16)