

ADS UTILITY GRADE PRESSURE PIPE

ADS Utility Grade Pressure Pipe is a leader in today's agricultural and landscape irrigation markets. Its flexibility and durability distinguish it from the competition and make it ideal for a variety of applications.

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

APPLICATIONS:

Agriculture
Landscape Irrigation Systems
Slurry Pipelines
Home & Commercial

FEATURES:

- Durable plastic material stands the test of time
- Flexibility makes it ideal for a variety of projects
- Strength withstands weather and the human element
- Light weight
- Chemically resistant

BENEFITS:

- Resistant to rot or corrosion
- Fast and Easy to install
- Easy 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 UTILITY GRADE PRESSURE PIPE (IPS) PIPE SPECIFICATIONS

SCOPE

This specification describes ADS Utility Grade Pressure Pipe (IPS) SIDR 19, SIDR 15 and SIDR 11.5 for use in water service (non-potable) applications.

PIPE REQUIREMENTS

ADS Utility Grade Pressure pipe shall meet the requirements of ASTM D2239. Pipe dimensions shall meet Iron Pipe Size (IPS) standards.

MATERIAL PROPERTIES

Pipe material shall be high-density polyethylene conforming to the minimum requirements of cell classification 345464C as defined and described in ASTM D3350, except that carbon black content should not exceed 3.5%. The resin shall have a material designation code of PE3608 (formerly PE3408) by the Plastic Pipe Institute.

INSTALLATION

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

UTILITY GRADE PRESSURE PIPE SPECIFICATIONS

	SIDR 11.5 (125 psi) PE 3608 IPS					
	½"	¾"	1"	1 ¼"	1 ½"	2"
Inside Diameter (mm)	0.622 ±0.01 (15.8 ±0.25)	0.824 ±0.015 (20.9 ±0.381)	1.049 ±0.02 (26.6 ±0.51)	1.380 ±0.02 (35.1 ±0.51)	1.610 ±0.02 (40.9 ±0.51)	2.067 ±0.02 (52.5 ±0.51)
Wall Thickness (mm)	0.060 +0.02 (1.5 +0.51)	0.072 +0.02 (1.8 +0.51)	0.091 +0.02 (2.3 +0.51)	0.120 +0.02 (3.0 +0.51)	0.140 +0.02 (3.6 +0.51)	0.180 +0.02 (4.6 +0.51)
Pressure Rating @ 73° F, psi (kPa)	125 (862)	125 (862)	125 (862)	125 (862)	125 (862)	125 (862)
Weight gm/ft (gm/m)	30 ±2 (98 ±7)	50 ±2 (164 ±7)	72 ±2 (236 ±7)	125 ±3 (410 ±10)	146 ±3 (479 ±10)	248 ±5 (814 ±16)

	SIDR 15 (100 psi) PE 3608 IPS					
	½"	¾"	1"	1 ¼"	1 ½"	2"
Inside Diameter (mm)	0.622 ±0.01 (15.8 ±0.25)	0.824 ±0.015 (20.9 ±0.38)	1.049 ±0.02 (26.6 ±0.51)	1.380 ±0.02 (35.1 ±0.51)	1.610 ±0.02 (40.9 ±0.51)	2.067 ±0.02 (52.5 ±0.51)
Wall Thickness (mm)	0.060 +0.02 (1.5 +0.51)	0.060 +0.02 (1.5 +0.51)	0.070 +0.02 (1.8 +0.51)	0.092 +0.02 (2.3 +0.51)	0.107 +0.02 (2.7 +0.51)	0.138 +0.02 (3.5 +0.51)
Pressure Rating @ 73° F, psi (kPa)	100 (689)	100 (689)	100 (689)	100 (689)	100 (689)	100 (689)
Weight gm/ft (gm/m)	30 ±2 (98 ±7)	39 ±2 (128 ±7)	56 ±2 (184 ±7)	97 ±3 (318 ±10)	129 ±3 (423 ±10)	200 ±5 (656 ±16)

	SIDR 19 (85 psi) PE 3608 IPS					
	½"	¾"	1"	1 ¼"	1 ½"	2"
Inside Diameter (mm)	0.622 ±0.01 (15.8 ±0.25)	0.824 ±0.015 (20.9 ±0.38)	1.049 ±0.02 (26.6 ±0.51)	1.380 ±0.02 (35.1 ±0.51)	1.610 ±0.015 (40.9 ±0.38)	2.067 ±0.015 (52.5 ±0.51)
Wall Thickness (mm)	0.060 +0.02 (1.5 +0.51)	0.060 +0.02 (1.5 +0.51)	0.060 +0.02 (1.5 +0.51)	0.073 +0.02 (1.8 +0.51)	0.085 +0.02 (2.1 +0.51)	0.109 +0.02 (2.7 +0.51)
Pressure Rating @ 73° F, psi (kPa)	80 (551)	80 (551)	80 (551)	80 (551)	80 (551)	80 (551)
Weight gm/ft (gm/m)	30 ±2 (98 ±7)	39 ±2 (128 ±7)	47 ±2 (138 ±7)	99 ±3 (290 ±10)	96 ±3 (281 ±10)	190 ±5 (623 ±16)

*Additional SIDRs may be available. Contact an ADS Representative for regional availability.

For more information on Utility Grade Pressure Pipe and other ADS products, please contact our Customer Service Representatives at 1-800-821-6710

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