

Pipe A-43

Smooth Interior Polyethylene Drain Pipe

Polyethylene Drain Pipe



Features:

- **Superior Value** - less labor and equipment required
- **Engineered Strength** - handles traffic with as little as one-foot of cover.
- **Superior Hydraulics** - 30% to 50% more capacity than corrugated steel
- **Extremely Durable** - cold weather, abrasion and chemical resistant
- **Perforated** - superior underdrain pipe

Pipes Available:

LEAK RESISTANT PIPE/SILT-TITE

- Meets silt-tight/leak resistant joint requirements.

WATERTIGHT PIPE

- Provides superior watertight performance.
- Meets ASTM D3212 (10.8 psi for 10 minutes with no leakage).

Leak Resistant Specifications:

SCOPE:

This specification describes 4"–60" (100 to 1500 mm) pipe for use in nonpressure storm sewer applications.

PIPE REQUIREMENTS:

Pipe shall have a smooth interior and annular exterior corrugations.

- 4"–10" shall meet AASHTO M252, Type S.
- 12"–48" (300 to 1200mm) shall meet AASHTO M294-97, Type S.

- 54" and 60" (1350 to 1500mm) shall meet AASHTO MP7-97.
- Manning's "n" value for use in design shall not be less than 0.010.

JOINT PERFORMANCE:

Pipe shall be joined with the bell-and-spigot joint meeting AASHTO M252, AASHTO M294-97 or MP7-97. The joint shall be silt tight and nonrated watertight. Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477 with the addition that the gaskets shall not have any visible cracking when tested according to ASTM D1149 after 72 hour exposure in 50 ppm ozone at 104° Fahrenheit. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

MATERIAL PROPERTIES:

Pipe and fitting material shall be high-density polyethylene meeting ASTM D3350 minimum cell classification 324420C for 4" through 10" diameters or 335420C for 12" through 60" diameters.

INSTALLATION:

Installation shall be in accordance with ASTM D2321 with the exception that minimum cover in trafficked areas shall be one foot (0.3m).

ORDERING INFO:

- Product numbers may have location designator after the five digit number, ie: 78284 [1] or [2].

PIPE SIZE	SILT-TITE	PERORATED
	PRODUCT NUMBER	PRODUCT NUMBER
4"	78214	78212
6"	78228 3	78223
8"	78238	78236 1
10"	78243	78246 1
12"	78249	78255
15"	78259	78265
18"	78269	78271
24"	78279	78282
30"	78284	78285
36"	78287	78287 20

NOTES:

- Some sizes and types of high-density polyethylene pipe may not be stocked at all locations. Call your local Team EJP sales office for availability.
- For specifications on watertight pipe please call your local Team EJP sales office.
- Leak resistant pipe is nonrated watertight.