

S3.02 Single Wall Heavy Duty Pipe Specification

Scope

This specification describes 3- through 15-inch (75 to 375 mm) single wall high-density corrugated polyethylene heavy duty pipe for use in gravity-flow land drainage applications.

Pipe Requirements

Single wall high-density corrugated polyethylene heavy duty pipe shall have annular interior and exterior corrugations.

- 3- through 15-inch (75 to 375 mm) pipe shall meet ASTM F667.

Joint Performance

Joints for 3- to 15- inch (75 – 375 mm) shall be made with split or snap couplings. Standard connections shall meet the requirements of the ASTM F667. Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets, when applicable, shall be installed by the pipe manufacturer.

Fittings

Fittings shall conform to ASTM F667.

Material Properties

Pipe and fitting material shall be high density polyethylene conforming with the minimum requirements of cell classification 323410C or 333410C as defined and described in the latest version of ASTM D3350.

Installation

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in trafficked areas for 3- through 15-inch (75 to 375 mm) diameters shall be one foot (0.3 m). Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.03. Contact your local ADS representative or visit our website at www.adspipe.com for a copy of the installation guidelines.

Pipe Dimensions

Nominal Pipe I.D. in (mm)	3 (75)	4 (100)	5 (125)	6 (150)	8 (200)	10 (250)	12 (300)	15 (375)
Average Pipe I.D. in (mm)	3.6 (91)	4.6 (117)	5.8 (147)	7.0 (178)	9.5 (241)	12.0 (305)	14.5 (368)	18.0 (457)

* Pipe O.D. values are provided for reference purposes only, values stated for 12 through 60-inch are ±1 inch.

** All diameters available with or without perforations.

Contact a sales representative for exact values