

ADS GEO-FLOW™ PIPE SPECIFICATION

Scope

This specification describes ADS GEO-flow available in 10-inch (250 mm) diameter pipe for use in on-site waste disposal applications.

Pipe Requirements

ADS GEO-flow pipe shall meet the requirements of ASTM F667. It shall have a corrugated interior and exterior. There shall be eight 7/16 inch (9.5 mm) holes evenly spaced 45 degrees apart per corrugation continuing the full length of the pipe. The pipe shall be shipped with a pre-installed reinforcing geo-grid fabric and 4 ounce geotextile fabric.

Joint Performance

Pipe shall be joined with internal or external couplers covering at least two full corrugations on each end of the pipe.

Material Properties

Pipe material shall be high density polyethylene conforming to the minimum requirements of cell classification 424410C as defined and described in ASTM D3350.

Geo-Grid Fabric

Technical Characteristic	Test Method	Value	Unit
Min. Tensile Strength	ASTM D4595	400	lb/ft.
Min. Transmissivity @ 1 and vertical load	ASTM D4716	1×10^{-3} 10,000	m ² /sec psf
Min. Density	ASTM D1505	0.940	g/cm ³
Typical Melt Flow Index	ASTM D1238	1.0	g/10 min.
Min. Carbon Black Content	ASTM D4218	2	%
Min. Thickness	ASTM D5199	5.0 (200)	mm (mil)
Min. Unit Weight	ASTM D3776	20	oz/sy

4 Oz. Geotextile

Property	Specification	Test Method
Fiber	Polyester	--
Substrate	None	--
Weight	4.0 oz/yd ² +/- 0.04 oz/yd ²	FTM NW503
Thickness	0.065 inch +/- 0.010 inch	FTM NW504
Tensile	Warp: 52 lb min. Fill: 68 lb min.	FTM NW505

Installation

Installation shall be in accordance with ADS recommended installation instructions and those issued by a local health department. For leachfield applications, installation shall be in accordance with ASTM F481 and as regulated by regional, state, and local agencies. Proper authorization for specific applications and designs should be obtained prior to installation to ensure suitability in certain locales. Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the installation guidelines.

