

## ADS GRAIN-AIRE® PIPE SPECIFICATION

### Scope

This specification describes 12- through 36-inch (300 to 900 mm) ADS Grain-Aire pipe for use in metering air and providing uniform flow air in flat storage structures.

### Pipe Requirements

ADS Grain-Aire pipe shall have annular exterior corrugations covered with a polypropylene protective screen to provide unrestricted air flow.

### Joint Performance

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

### Material Properties

Pipe and fittings shall be high density polyethylene conforming with the minimum requirements of cell classification 424400C as defined and described ASTM D3350.

### Perforations

Nominal Diameter	Corrugations Per Foot	Number of Holes Per Foot	Min. Hole Diameter	Open Area Per Foot
12"	6.3	36	7/16"	5.4
15"	4.7	24	5/8"	7.36
18"	4.7	24	5/8"	7.36
24"	4.7	24	5/8"	7.36
30"	2.9	32	1/2"	6.28
36"	2.4	32	1/2"	6.28

### Protective Screen

Material	Polypropylene	
Bursting Strength (lbs/in <sup>2</sup> )	484	ASTM D3786
Weight (oz/yd <sup>2</sup> )	5.3	ASTM D3776
% Open Area	25	ASTM D475
Tensile Strength (lbs) (Grab Test)	425 (Wrap)	ASTM D5034
	273 (Fill)	