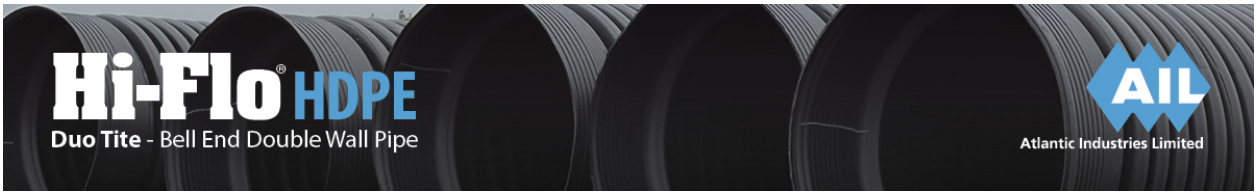

Technical Data

Scope
This specification describes 100 mm - 900 mm (4" - 36") diameter Hi-Flo HDPE Duo Tite pipe for use in gravity-flow drainage applications.

Pipe Requirements
Hi-Flo HDPE Duo Tite pipe is manufactured with a smooth interior wall and a corrugated exterior certified to the requirements of CSA B182.6 and CSA B182.8. It has a minimum stiffness of 320 kPa measured at a 5% deflection when tested in accordance with ASTM D2412 and is also available in 210 kPa stiffness. Hi-Flo HDPE Duo Tite pipe has a Manning's 'n' value of 0.012.

Material Properties
Hi-Flo HDPE Duo Tite pipe is manufactured from high-density polyethylene (HDPE) resin, conforming with the minimum cell classification of 435400C, as defined in the latest version of the ASTM D3350 standard.

Pipe Dimensions
The nominal pipe size is referenced based on the inside diameter. The tolerance of the stated values of inside diameter is +3% / -1.5%.

Pipe Nominal Inside Diameter mm (in)	100 (4)	150 (6)	200 (8)	250 (10)	300 (12)	375 (15)	450 (18)	600 (24)	750 (30)	900 (36)
Pipe Outside Diameter mm (in)	114 (4.5)	174 (6.8)	237 (9.3)	296 (11.7)	355 (14)	442 (17.4)	536 (21.1)	706 (27.8)	888 (35)	1071 (42.2)

Pipe length
Standard pipe lengths are 6 m and are at a minimum of 99% of the stated length.

Joint Performance
Pipes connect by a bell-and-spigot joint which is lab tested to meet the 100 kPa water pressure and vacuum joint requirements of CSA B182.6. The bell-and-spigot joint also meets the requirements of CSA B182.8 Type 1 when tested in accordance with ASTM D3212. Gaskets are used to create the watertight joints and are supplied with a protective wrap to prevent debris from getting on the gaskets prior to installation. Joint lubricant will be supplied by the manufacturer for use in the installation process.

Installation
Installation of Hi-Flo HDPE Duo Tite pipe is to be in accordance with the standard CSA B182.11 and AIL installation recommendations. Please contact a Sales Representative for installation recommendations.