

ADS 900mm N-12[®] WT IB HDPE TRIPLE WALL PIPE SPECIFICATION FOR CSA

Scope

This specification describes 900 mm (36-inch) ADS N-12 WT IB triple wall pipe for use in gravity-flow applications.

Pipe Requirements

900 mm (36-inch) ADS N-12 WT IB triple wall pipe shall have smooth interior and exterior surfaces with annular inner corrugations.

- 900 mm (36-inch) shall be certified by an accredited certification body to meet CSA B182.8.
- 900 mm (36-inch) shall meet a minimum pipe stiffness of 320 kPa (46.4 psi) when tested in accordance with ASTM D 2412.
- Manning's "n" value for use in design shall be 0.012.

Joint Performance

Pipe shall be joined with a bell & spigot joint meeting the Watertight Type 1 requirements of CSA B182.8.

900 mm (36-inch) triple wall pipe shall be watertight according to the requirements of ASTM D3212. Spigot shall have two gaskets meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is free from debris. A joint lubricant available from the manufacturer shall be used on the gasket and bell during assembly.

900 mm (36-inch) pipe shall have a reinforced bell with a polymer composite band installed by the manufacturer.

Field Pipe and Joint Performance

To assure watertightness, field performance verification may be accomplished by testing in accordance with ASTM F 2487. Appropriate safety precautions must be used when field-testing any pipe material. Contact the manufacturer for recommended leakage rates.

Material Properties

Virgin material for pipe production shall be high density polyethylene conforming with the minimum requirements of cell classification 435400C for 900 mm (36-inch) diameter pipe, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The virgin pipe material shall comply with the slow crack-growth resistance of compounds (SP-NCTL) test as described in Clause 8.5 of CSA standard B182.8 The average failure time of the 5 test specimens shall exceed 24 hours.

Installation

Installation shall be in accordance with CSA B182.11 and ADS published installation guidelines with the exception that minimum cover in trafficked areas for 900 mm (36-inch) diameter shall be 0.3 m (1ft). Contact your local ADS representative or visit our website at www.ads-pipe.com for a copy of the latest installation guidelines.

Pipe Dimensions

Nominal Diameter, in (mm)	
Pipe I.D. mm (in)	900 (36)
Pipe O.D.** mm (in)	1044 (41.1)
Minimum Pipe Stiffness kPa (pii)	320 (46.4)

*Check with sales representative for availability by region and ordering.

**Pipe O.D. value is provided for reference purposes only, value is ± 25 mm.

Contact a sales representative for exact values.

ADS 900mm (36in) N-12 WT IB TRIPLE WALL JOINT SYSTEM

(Joint configuration & availability subject to change without notice. Product detail may differ slightly from actual product appearance.)

