Engineered PVC surface drainage structures which include inline drains, drain basins, curb inlet structures, road and highway structures, drop in grates, and catch basin inserts ranging from 8 - 30" in diameter. Drain Basins - 8"(2808AG)-30"(2830AG), Curb Inlets - 12"(3012AGS)-30"(3030AGS), Road/Highway Structures - 12"(3212)-30"(3230AGS).

Brand Name: ADS Nyloplast®
Manufacturer: Advanced Drainage Systems, Inc.
Categories: Drainage and Sewer Works | Surface (Line) Drains

Associated Standards
ASTM A48/A48M-03(2008) - Gray Iron Castings
ASTM D3034-08 - Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM F1336-07 - Poly(Vinyl Chloride) (PVC) Gasketed Sewer Fittings
CAN/CSA-B182.2-06 [See B1800 Series-06] - PSM Type Polyvinylchloride (PVC) Sewer Pipe and Fittings
ADS/Hancor 900-1500 mm (36-60") I.D. N-12® ST IB/Sure-Lok® Soil-tight

Corrugated Polyethylene Pipe

Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe, AASHTO M294 Type S, 900-1500 mm (36-60" diameter), 6 m (20 ft) sections, elastomeric soil-tight gasket integral bell joint and fabricated fittings and structures. Marking - plant designation code, date of manufacture, and green (ADS) or blue (Hancor) stripe.

Brand Name: N-12® ST IB/Sure-Lok® ST Pipe
Manufacturer: ADS Canada

Categories: Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polyethylene

Standards Met

AASHTO M294-10-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter
OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products

Associated Standards

ASTM D1238-10 - Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics
ASTM D2122-98(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2321-11 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
ASTM D2444-99(2010) - Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
ASTM D3350-10a - Polyethylene Plastics Pipe and Fittings Materials
ASTM F2136-08 - Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
ASTM F2306/F2306M-08 - 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications
ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe

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Email: alex.navarro@ads-pipe.com
Web: http://www.ads-pipe.com
ADS/Hancor 100-750 mm (4-30") I.D. N-12® Plain End/Hi-Q® Soil-tight
Corrugated Polyethylene Pipe

Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe, 100-250 mm (Plants at Ludlow, MA; Napoleon, OH; Washougal, WA) and 300-750 mm (12-30" diameter), 6 m (20 ft) sections, Type 3 (CSA B182.8) soil-tight non-gasketed split coupler joints.

Brand Name: N-12®/Hi-Q® Pipe
Manufacturer: Advanced Drainage Systems, Inc.

Categories:
- Drainage and Sewer Works
- Storm Sewers, Culverts and Sub-Drains
- Flexible Pipe
- Polyethylene

Associated Standards
- AASHTO M252-07-UL - Corrugated Polyethylene Drainage Pipe
- AASHTO M294-07-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm Diameter
- ASTM D1056-07 - Flexible Cellular Materials-Sponge or Expanded Rubber
- ASTM D1238-04c - Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D1505-03 - Density of Plastics by the Density-Gradient Technique
- ASTM D1603-06 - Carbon Black Content In Olefin Plastics
- ASTM D2122-06(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
- ASTM D2321-09 - Polyethylene Plastics Pipe and Fittings Materials
- ASTM D3597-07 - Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test
- ASTM D368-08 - Tensile Properties of Plastics
- ASTM D790-07e1 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
- ASTM F2306/F2306M-05 - 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications
- ASTM F477-08 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- CAN/CSA-B182.11-06 [See B1800 Series-06] - Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings
- CAN/CSA-B182.8-06 [See B1800 Series-06] - Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings
- NQ 3624-120 - Polyethylene (PE) Plastic Pipe and Fittings - Smooth Inside Wall Open or Closed Profile Pipes for Storm Sewer and Soil Drainage - Characteristics and Test Methods
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products
- SP 118S05 - AMENDMENT TO OPSS 1840, NOVEMBER 2006 - Certification of Non-Pressure Polyethylene Plastic Pipe Products for Pipe Sewers and Pipe Culverts

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Web: http://www.ads-pipe.com
**ADS/Hancor 900-1500 mm (36-60”) I.D. N-12® Plain End/Hi-Q® Soil-tight**

**Corrugated Polyethylene Pipe**
- Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe, AASHTO MD84 Type S, 900-1500 mm (36-60” diameter), 6 m (20 ft) sections, soil-tight non-gasketed split coupler joints and fabricated fittings and structures. Marking - plant designation code, date of manufacture, and green (ADS) or blue (Hancor) stripe.

**Brand Name:** N-12®/Hi-Q® Pipe  
**Manufacturer:** ADS Canada

**Categories:** Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polyethylene

**Standards Met**
- ASHTO M294-10-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products

**Associated Standards**
- AASHTO HB-17 - Highway Bridges, 17th Edition  
- ASTM D1056-07 - Flexible Cellular Materials-Sponge or Expanded Rubber  
- ASTM D1238-10 - Flow Rates of Thermoplastics by Extrusion Plastometer  
- ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics  
- ASTM D2122-98(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings  
- ASTM D2321-11 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications  
- ASTM D2412-11 - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading  
- ASTM D2444-99(2010) - Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)  
- ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals  
- ASTM D3350-10a - Polyethylene Plastics Pipe and Fittings Materials  
- ASTM D3350-10a - Polyethylene Plastic Pipes and Fittings Materials  
- ASTM D4218-96(2008) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique  
- ASTM F2136-08 - Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe  
- ASTM F2306/F2306M-08 - 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications  
- ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe  
- OPSS 0806.0220 - Height of Fill Table, Dual Wall Corrugated Polyethylene Gravity Sewer Pipe RSC 100 and RSC 160

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High density polypropylene (PP) triple wall pipe (smooth interior, corrugated structural core, and smooth exterior), in diameters of 750 to 1500 mm (30 to 60”), and with patented extended reinforced bell, double gasketted composite joint for continuous internal and/or external pressure, applicable for watertight gravity flow such as industrial wastewater and municipal sanitary sewers.

Brand Name: Sanitite®
Manufacturer: ADS Canada

Standards Met
ASTM D2412-11 - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM F2764-11 - 30 to 60 in. [750 to 1500 mm] Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications

Associated Standards
AASHTO LRFD Section 12 - Buried Structures and Tunnel Liners
ASTM D2408 - Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar
ASTM D1238-10 - Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1505-10 - Density of Plastics by the Density-Gradient Technique
ASTM D2122-98(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2321-11 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
ASTM D2444-06(2010) - Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
ASTM D2556-10 - Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D2980-09 - Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics
ASTM D3895-07 - Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D4101-11 - Polypropylene Injection and Extrusion Materials
ASTM D4218-96(2008) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique
ASTM D4389/D4389M-04(2010) - Finished Glass Fabrics Woven From Filaments
ASTM D618-08 - Conditioning Plastics for Testing
ASTM D618-08 - Conditioning Plastics for Testing
ASTM D790-10 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792-00 - Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM F1417-11 - Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air
ASTM F2136-08 - Notched, Constant Laminate-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
ASTM F2487-06 - Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene Pipelines
ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
GSIN N4710E - Pipe, Sewer
NMS 33 31 13 - Public Sanitary Utility Sewerage Piping

Product Lists
Regional Municipality of Durham
4.72.62.65 - Polypropylene (PP)
ADS/Hancor 300-750 mm (12-30") SaniTite® HP Polypropylene (PP) Dual-Wall Pipe

High density polypropylene (PP) dual wall pipe with smooth interior and structural wall annular exterior corrugations, in diameters of 300 to 750 mm (12” to 30”), and with patented extended reinforced bell, double gasketted composite joint for continuous internal and/or external pressure, applicable for watertight gravity flow such as industrial wastewater and municipal sanitary sewers.

Brand Name: SaniTite®
Manufacturer: ADS Canada
Categories: Drainage and Sewer Works | Sanitary Sewers | Pipe | Polypropylene
Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polypropylene

Standards Met
ASTM D2412-11 - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM F2736-10 - 6 to 30 in. (152 To 762 mm) Polypropylene (PP) Corrugated Single Wall Pipe And Double Wall Pipe
CAN/CSA-B182.13-11 (See B1800 Series-11) - Profile Polypropylene (PP) Sewer Pipe and Fittings for Leak-Proof Sewer Applications

Associated Standards
AASHTO LRFD Section 12 - Buried Structures and Tunnel Liners
ASTM D1238-10 - Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1505-10 - Density of Plastics by the Density-Gradient Technique
ASTM D2122-98(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2321-11 - Underground installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
ASTM D2444-99(2010) - Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
ASTM D256-10 - Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D2990-09 - Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics
ASTM D3895-07 - Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D4628-09 - Tensile Properties of Thermoplastic Pipelines Based on Time-Temperature Superposition Using the Stepped Isothermal Method
ASTM D570-10 - Tensile Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792-00 - Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM F1417-11 - Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air
ASTM F2487-06 - Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene Pipelines
ASTM F2881-11 - 12 to 60 in. [300 to 1500 mm] Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications
ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
GSIN N4710E - Pipe, Sewer
NMS 33 31 13 - Public Sanitary Utility Sewerage Piping

Product Lists
Regional Municipality of Durham
4.70.62.65 - Polypropylene (PP)
Regional Municipality of Durham
4.72.62.65 - Polypropylene (PP)
ADS Corrugated Polyethylene Drainage Pipe

Brand Name: ADS Corrugated Polyethylene Drainage Pipe
Manufacturer: ADS Canada

Categories: Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Sub-Drain | Polyethylene

Associated Standards
- AASHTO M252-07-UL - Corrugated Polyethylene Drainage Pipe
- AASHTO M294-10-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter
- ASTM D3231-11 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
- ASTM D3350-10a - Polyethylene Plastics Pipe and Fittings Materials
- ASTM F405-05 - Corrugated Polyethylene (PE) Pipe and Fittings
- ASTM F667-06 - Large Diameter Corrugated Polyethylene Pipe and Fittings
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products
- OPSS 405 - Pipe Subdrains
- OPSS 421 - Pipe Culvert Installation in Open Cut Method
- SP 118609 - AMENDMENT TO OPSS 1840, NOVEMBER 2009 - Certification of Non-Pressure Polyethylene Plastic Pipe Products for Pipe Sewers and Pipe Culverts
ADS/Hancor 100-750 mm (4-30") I.D. N-12® ST IB/Sure-Lok® Silt-tight

Corrugated Polyethylene Pipe

Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe, 100-750 mm (4-30") diameter, 6 m (20 ft) sections, elastomeric Type 2 silt-tight gasket integral bell joint and fabricated fittings and structures.

Brand Name: N-12® ST IB/Sure-Lok® ST Pipe
Manufacturer: Advanced Drainage Systems, Inc.

Categories: Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polyethylene

Associated Standards
- AASHTO M252-07-UL - Corrugated Polyethylene Drainage Pipe
- AASHTO M294-07-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm Diameter
- ASTM D1238-04c - Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics
- ASTM D2122-96(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
- ASTM D2321-09 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
- ASTM D2412-02(2008) - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
- ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
- ASTM D3350-10 - Polyethylene Plastics Pipe and Fittings Materials
- ASTM D4218-96(2001) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique
- ASTM F477-08 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- CAN/CSA-B182.11-06 [See B1800 Series-06] - Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings
- CAN/CSA-B182.8-06 [See B1800 Series-06] - Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products
- SP 11805 - AMENDMENT TO OPSS 1840, NOVEMBER 2006 - Certification of Non-Pressure Polyethylene Plastic Pipe Products for Pipe Sewers and Pipe Culverts

Product Lists
- Regional Municipality of Halton
  4.72.62.64 - Polyethylene (HDPE)
  4.72.62.64 - High Density Polyethylene (HDPE)
- Regional Municipality of Durham
  4.72.62.64 - Polyethylene (HDPE)

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Associated Standards
- AASHTO M252-07-UL - Corrugated Polyethylene Drainage Pipe
- AASHTO M294-07-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm Diameter
- ASTM D1238-04c - Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics
- ASTM D2122-96(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
- ASTM D2321-09 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
- ASTM D2412-02(2008) - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
- ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
- ASTM D3350-10 - Polyethylene Plastics Pipe and Fittings Materials
- ASTM D4218-96(2001) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique
- ASTM F477-08 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- CAN/CSA-B182.11-06 [See B1800 Series-06] - Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings
- CAN/CSA-B182.8-06 [See B1800 Series-06] - Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products
- SP 11805 - AMENDMENT TO OPSS 1840, NOVEMBER 2006 - Certification of Non-Pressure Polyethylene Plastic Pipe Products for Pipe Sewers and Pipe Culverts

Product Lists
- Regional Municipality of Halton
  4.72.62.64 - Polyethylene (HDPE)
  4.72.62.64 - High Density Polyethylene (HDPE)
- Regional Municipality of Durham
  4.72.62.64 - Polyethylene (HDPE)

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Web: http://www.ads-pipe.com
ADS/Hancor 900-1500 mm (36-60") I.D. N-12® WT IB/Blue-Seal® Water-tight Corrugated Polyethylene Pipe

- Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe, AASHTO M294 Type S, 900-1500 mm (36-60" diameter), 6 m (20 ft) sections, with with elastomeric watertight gasketed bell/spigot joint and complete line of fabricated fittings and structures. Marking: plant designation code, date of manufacture, and green (ADS) or blue (Hancor) stripe.

**Brand Name:** N-12® WT IB/Blue-Seal® Pipe

**Manufacturer:** ADS Canada

**Categories:** Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polyethylene

**Standards Met**

- ASPS 1840 - Non-Pressure Polyethylene Plastic Pipe Products
- ASTM D1238-10 - Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics
- ASTM D222-98(2010) - Determining Dimensions of Thermoplastic Pipe and Fittings
- ASTM D2321-11 - Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
- ASTM D2444-99(2010) - Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight)
- ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
- ASTM D3350-10a - Polyethylene Plastics Pipe and Fittings Materials
- ASTM D4218-96(2008) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique
- ASTM F2136-08 - Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
- ASTM F2306/F2306M-08 - 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications
- ASTM F2487-06 - Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene Pipelines
- ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- OPSS 0806.0220 - Height of Fill Table, Dual Wall Corrugated Polyethylene Gravity Sewer Pipe RSC 100 and RSC 160

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Email: alex.navarro@ads-pipe.com
Web: http://www.ads-pipe.com
ADS/Hancor 900 mm (36") N-12® WT / Blue Seal® HDPE Triple Wall Polyethylene (PE) Pipe

Triple-Wall, smooth interior, smooth exterior, annular interior corrugations (closed profile pipe), lightweight, polyethylene (HDPE) pipe, minimum pipe stiffness of 320 kPa (46.4 psi) (ASTM D2412), 900 mm (36 inches diameter), 6.1 m (20 ft) sections, with elastomeric Type 1 (CSA B182.8) watertight gasketed (2 per ASTM F477) bell/spigot joint, integral bell (IB) reinforced with two polymer composite bands installed by the manufacturer, and complete line of fabricated fittings and structures.

Brand Name: ADS N-12® / Hancor Blue Seal®
Manufacturer: Advanced Drainage Systems, Inc.

Categories:
- Drainage and Sewer Works
- Storm Sewers, Culverts and Sub-Drains
- Flexible Pipe
- Polyethylene

Standards Met
- CAN/CSA-B182.8-06 [See B1800 Series-06] - Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings

Associated Standards
- ASTM D2412-10 - Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
- ASTM D3350-10 - Polyethylene Plastics Pipe and Fittings Materials
- ASTM F2487-06 - Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene Pipelines
- ASTM F477-10 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- CAN/CSA-B182.11-06 [See B1800 Series-06] - Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings
- NMS 22 40 00 (CSI) - Plumbing Fixtures
- NMS 22 42 02 (CSI) - Plumbing Fixtures
- NMS 33 41 00 - Storm Utility Drainage Piping
**Corrugated Polyethylene Pipe**

Dual-wall, smooth interior, annular exterior corrugations (open profile pipe), lightweight, polyethylene (PE) pipe. 100-750 mm (4-30" diameter), 6 m (20 ft) sections, with elastomeric Type 1 (CSA B182.8) watertight gasketed bell/spigot joint and complete line of fabricated fittings and structures.

**Brand Name:** N-12® WT IB/Blue Seal® Pipe  
**Manufacturer:** Advanced Drainage Systems, Inc.

**Categories:** Drainage and Sewer Works | Storm Sewers, Culverts and Sub-Drains | Flexible Pipe | Polyethylene

**Associated Standards**

- AASHTO M252-07-UL - Corrugated Polyethylene Drainage Pipe
- AASHTO M294-07-UL - Corrugated Polyethylene Pipe, 300- to 1500-mm Diameter
- ASTM D1238-04c - Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D1693-08 - Environmental Stress-Cracking of Ethylene Plastics
- ASTM D2321-09 - Determining Dimensions of Thermoplastic Pipe and Fittings
- ASTM D3212-07 - Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
- ASTM D3350-10 - Polyethylene Plastics Pipe and Fittings Materials
- ASTM D4218-96(2001) - Determination of Carbon Black Content in Polyethylene Compounds By the Muffle-Furnace Technique
- ASTM F2487-06 - Infiltration and Exfiltration Acceptance Testing of Installed Corrugated High Density Polyethylene Pipelines
- ASTM F477-08 - Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- CAN/CSA-B182.11-06 [See B1800 Series-06] - Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings
- CAN/CSA-B182.8-06 [See B1800 Series-06] - Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings
- OPSS 1840 - Non-Pressure Polyethylene Plastic Pipe Products

**Product Lists**

- Regional Municipality of Halton 4.72.62.64 - Polyethylene (HDPE)
- Regional Municipality of Durham 4.72.62.64 - High Density Polyethylene (HDPE)