

Ring-Tite® / Enviro-Tite®

Product Data Sheet



< STANDARDS >

Ring-Tite®



B182.2



3624-130/135



D3034
F679

Enviro-Tite®



B182.2



3624-130/135



F1760

Ring-Tite® and Enviro-Tite® piping systems are SDR35 and SDR28 sewer pipes manufactured to demanding ASTM, BNQ and CSA standards. The two products are identical except for Enviro-Tite has a minimum recycled material content of 50%. By meeting the very stringent tests for joint performance and physical strength in ASTM and CSA standards, both Ring-Tite and Enviro-Tite will provide system owners with excellent, long-lasting performance.

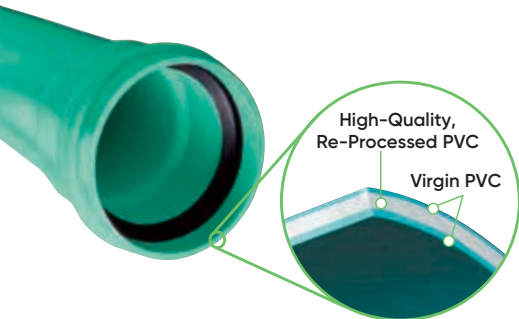
PRODUCT AVAILABILITY

SDR28 4", 5" and 6" (100 mm, 135 mm & 150 mm)

SDR35 4" to 60" (100 mm – 1500 mm)

Ring-Tite available 4" to 60" (100mm – 1500mm)

Enviro-Tite available 4" to 15" (100mm – 375mm)



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Short-Form Specification

General

Main line sewers will be PVC SDR35 sewer pipe and shall be in compliance with ASTM D 3034, ASTM F679 or ASTM F1760 and third party certified to CSA B182.2 and BNQ 3624-130/135. Sewer laterals will be PVC SDR28 sewer pipe and shall be third party certified by CSA as above.

Material

PVC compound used in the pipe manufacture shall meet the minimum cell classifications as specified in CSA B182.2 and the relevant ASTM standard. Gasket materials shall conform to ASTM F477.

Extruded Pipe

Extruded Ring-Tite or Enviro-Tite Gasketed PVC Sewer Pipe will conform to one or more of the following pipe standards:

CSA B182.2 "PSM Type Polyvinylchloride (PVC) Sewer Pipe and Fittings"

ASTM D3034 "Standard Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings"

ASTM F1760 "Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content"

ASTM F679 "Standard Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings"

BNQ 3624-130/135 Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings for Sewage and Soil Drainage

Lubricant

All Ring-Tite and Enviro-Tite Gasketed Sewer Pipe must be assembled using IPEX PVC Pipe Lubricant.

Markings

Ring-Tite and Enviro-Tite Gasketed Sewer Pipes are marked as prescribed in the above applicable standards to indicate size of the pipe, material designation, compliance to standard, and manufacturer's name or trademark.

Colour Coding

Ring-Tite and Enviro-Tite Gasketed Sewer Pipe is colour-coded green for SDR35 and white for SDR28.

Joints

Gasketed pipe joints must meet the performance requirements of CSA B182.2 and additionally demonstrate a joint-tightness of 50 psi (345 kPa) without leakage.

Pipe Stiffness

The minimum ring stiffness shall be 320 kPa (46 psi) for SDR35 pipe and 625 kPa (90 psi) for SDR 28. This stiffness will be determined as per the test methods of ASTM D2412 as prescribed in CSA B182.2 and the relevant ASTM standard.

Fittings

Injection-molded gasketed PVC fittings shall meet the requirements of ASTM 3034 and ASTM F1336 and shall be certified to CSA B182.1 or CSA B182.2. Fabricated fittings must conform to ASTM F1336 and CSA B182.2

Dimensions

Size	SDR35						SDR28						
	Average ID		Min. Wall Thickness		Average OD		Average ID		Min. Wall Thickness		Average OD		
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	
4*	100	3.97	100.9	0.12	3.0	4.21	107.0	3.91	99.4	0.15	3.8	4.21	107.0
5*	135	5.32	135.0	0.16	4.0	5.64	143.2	5.24	133.0	0.20	5.1	5.64	143.2
6*	150	5.92	150.2	0.18	4.5	6.28	159.3	5.83	148.0	0.22	5.6	6.28	159.3
8*	200	7.92	201.1	0.24	6.1	8.40	213.3	–	–	–	–	–	–
10*	250	9.90	251.4	0.30	7.6	10.50	266.7	–	–	–	–	–	–
12*	300	11.79	299.3	0.36	9.0	12.50	317.5	–	–	–	–	–	–
15*	375	14.43	366.4	0.44	11.1	15.30	388.6	–	–	–	–	–	–
18	450	17.63	447.8	0.53	13.5	18.70	475.0	–	–	–	–	–	–
21	525	20.79	527.9	0.63	16.0	22.05	559.9	–	–	–	–	–	–
24	600	23.39	594.0	0.71	18.0	24.80	630.0	–	–	–	–	–	–
27	675	26.36	669.4	0.80	20.2	27.95	710.0	–	–	–	–	–	–
30	750	30.17	766.3	0.91	23.2	32.00	812.8	–	–	–	–	–	–
36	900	36.11	917.2	1.09	27.7	38.30	972.8	–	–	–	–	–	–
42	1,050	41.95	1,065.7	1.27	32.2	44.50	1,130.3	–	–	–	–	–	–
48	1,200	47.89	1,216.5	1.45	36.8	50.79	1,290.3	–	–	–	–	–	–
54	1,350	54.27	1,378.4	1.64	41.7	57.55	1,462.0	–	–	–	–	–	–
60	1,500	58.08	1,475.4	1.76	44.7	61.61	1,564.9	–	–	–	–	–	–

Ring-Tite fittings are injection molded in most configurations up to 375mm (15") nominal diameter. Larger sizes are fabricated from sections of pipe.

* These sizes available in both Ring-Tite and Enviro-Tite

Installation

Please consult with our PVC Sewer Pipe and Fittings Installation Guide for complete installation information including:

- Receiving and Handling Pipe Shipments
- Trench Preparation
- Assembling IPEX Joints
- Curvature of the Pipeline
- Cutting and Chamfering the Pipe
- Field-Testing of the Pipeline

The guide is available at www.ipexna.com

About the IPEX Group of Companies

As leading suppliers of thermoplastic piping systems, the IPEX Group of Companies provides our customers with some of the world's largest and most comprehensive product lines. All IPEX products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have established a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX group products are:

- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.