



< STANDARDS >



CSA
B182.2



ASTM
F679



NQ 3624-
130/135

introduction

Ring-Tite® piping systems are SDR35 and SDR28 sewer pipes and fittings manufactured to demanding ASTM, BNQ and CSA standards. Ring-Tite joints can withstand well in excess of both the ASTM and CSA requirements.

PRODUCT AVAILABILITY

SDR28	4", 5" and 6" (100 mm, 125 mm & 150 mm)
SDR35	4" through 60" (100 mm – 1500 mm)
SDR41	10" through 60" (250 mm – 1500 mm)

Short-Form Specification

General

Main line sewers will be PVC SDR35 sewer pipe and shall be in compliance with ASTM D3040 or ASTM F679 and third party certified to CSA B182.2. Sewer laterals will be PVC SDR28 sewer pipe and shall be third party certified by CSA as above.

Material

PVC Poly(Vinyl Chloride) used in the manufacturing of Ring-Tite Gasketed Sewer Pipe complies with ASTM D1784, Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds, having a cell classification of 12454 or 12364.

Gasket materials used in the manufacturing of Ring-Tite Gasketed Sewer Pipe complies with the following requirements:

ASTM F477 "Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe" for low-head applications, or

ASTM F913 "Standard Specification for Thermoplastic Elastomeric Seals (Gaskets) for Joining Plastic Pipe"

Extruded Pipe

Extruded Ring-Tite Gasketed Sewer Pipe conforms to the following standards:

ASTM D2412 "Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading"

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

ASTM D3212 "Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals"

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

Lubricant

All Ring-Tite Gasketed Sewer Pipe must be assembled using PVC pipe lubricant.

Markings

Ring-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 Gasketed Sewer Pipe is colour-coded green for SDR35 and white for SDR28 & SDR41.

Joints

Sealing gaskets must meet the requirements of ASTM D3034 or ASTM F679, CSA B182.2. In addition, the pipe joints must be able to withstand a minimum hydrostatic pressure of 345 kPa (50 psi) 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 using the test methods prescribed by ASTM D3034 and ASTM F679.

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	in	mm
4	100	3.97	100.94	0.12	3.06	4.21	107.06	3.91	99.42	0.15	3.82	4.21	107.06
5	135	5.32	135.08	0.16	4.09	5.64	143.26	5.24	133.02	0.20	5.12	5.64	143.26
6	150	5.92	150.29	0.18	4.55	6.28	159.39	5.83	148.01	0.22	5.69	6.28	159.39
8	200	7.92	201.16	0.24	6.10	8.40	213.36	–	–	–	–	–	–
10	250	9.90	251.46	0.30	7.62	10.50	266.70	–	–	–	–	–	–
12	300	11.79	299.36	0.36	9.07	12.50	317.50	–	–	–	–	–	–
15	375	14.43	366.42	0.44	11.10	15.30	388.62	–	–	–	–	–	–
18	450	17.63	447.87	0.53	13.57	18.70	475.01	–	–	–	–	–	–
21	525	20.79	527.99	0.63	16.00	22.05	559.99	–	–	–	–	–	–
24	600	23.39	594.00	0.71	18.00	24.80	630.00	–	–	–	–	–	–
27	675	26.36	669.42	0.80	20.29	27.95	710.00	–	–	–	–	–	–
30	750	30.17	766.36	0.91	23.22	32.00	812.80	–	–	–	–	–	–
36	900	36.11	917.22	1.09	27.79	38.30	972.80	–	–	–	–	–	–
42	1,050	41.95	1,065.72	1.27	32.29	44.50	1,130.30	–	–	–	–	–	–
48	1,200	47.89	1,216.56	1.45	36.87	50.79	1,290.30	–	–	–	–	–	–
54	1,350	54.27	1,378.49	1.64	41.77	57.55	1,462.00	–	–	–	–	–	–
60	1,500	58.08	1,475.48	1.76	44.71	61.61	1,564.90	–	–	–	–	–	–

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

Installation

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

- Receiving and Handling Pipe Shipments
- Trench Preparation
- Lowering Pipe and Fittings into Trench
- Assembling IPEX Joints
- Curvature of the Pipeline
- Cutting and Chamfering the Pipe

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

Products are manufactured by IPEX Inc.

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