

## TECHNICAL SPECIFICATION

### Royal Seal™ Gasketed Sewer Pipe SDR 26

Cell classification 12364

#### **SCOPE**

This specification covers the requirements for PVC (polyvinyl chloride) SDR26 sewer pipe with integral locked-in gasket bell and spigot joints. Nominal sizes 4", 6", 8", 10", 12", 15" and 18" are certified to CSA B182.2 and BNQ NQ 3624-135 (8" to 18") and manufactured to meet the requirements of the American Society for Testing and Materials (ASTM) standard D3034 (4" to 15") and ASTM F679 (18").

#### **MATERIALS**

The pipe is manufactured from virgin PVC compound meeting the cell classification requirements of 12364 as defined by the American Society of Testing and Materials (ASTM) Standard D1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*.

#### **MARKING**

Pipe markings are as specified in CSA B182.2, BNQ NQ 3624-135, ASTM D3034 and F679.

#### **PIPE**

The pipe is manufactured for use in gravity flow sanitary and storm sewer. The pipe is produced with a wall thickness corresponding to the dimension ratio of SDR 26, with a minimum pipe stiffness value of 115 psi (790 kPa) when tested in accordance with ASTM D2412, *Standard Test Method for Determination of External Loading*. Standard length of pipe is 14 feet plus the bell.

#### **GASKETS**

The pipe utilizes a double seal locked-in gasket system (DSL) design which meets the requirements of ASTM D3212, *Standard Specifications for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals*. The gaskets are reinforced with a steel band and conform to the requirements of ASTM F477: *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*.

#### **TEST REQUIREMENTS**

Quality testing is as per Royal's Quality Control program and in accordance with CSA B182.2, BNQ NQ 3624-135, ASTM D3034 and F679.

**PIPE DIMENSIONS**

Nominal Size in (mm)	Outside Diameter (OD) mm (in)	Wall Thickness (t) mm (in)	Average Bell Depth (BD) mm (in)	Pipe Length (L) Plus Bell
4 (100)	4.206 – 4.224	0.163 – 0.190	3 ½	14 ft
6 (150)	6.264 – 6.286	0.241 – 0.265	4 ¼	
8 (200)	8.388 – 8.412	0.323 – 0.360	5 ½	
10 (250)	10.484 – 10.516	0.404 – 0.444	6 ½	
12 (300)	12.485 – 12.515	0.481 – 0.530	7 ¼	
15 (375)	15.277 – 15.323	0.588 – 0.650	7 ½	
18 (450)	18.673 – 18.728	0.720 – 0.775	9 ½	

