



## **TECHNICAL SPECIFICATION**

### **IPS Pressure Pipe SDR21, 26, 32.5, 41, Gasketed Western Canada**

#### **SCOPE**

This specification covers the requirements for PVC (polyvinyl chloride) pressure pipe with bell and spigot joints utilizing a double seal locked in (DSL) gasket. The pipe is Iron Pipe Size (IPS) in nominal sizes of 4" – 18". This pipe meets the requirements of American Society of Testing and Materials (ASTM) Standard D2241 and is certified to the Canadian Standards Association (CSA) standard B137.3 and The National Sanitation Foundation (NSF) Standard 61.

#### **MATERIALS**

The pipe is manufactured from virgin PVC compound meeting the cell classification requirements of 12454 as defined by the American Society of Testing and Materials (ASTM) Standard D1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*. These compounds have a hydrostatic design basis rating of 4000 psi for water at 73.4 Deg F. The compound is certified to NSF Standard 61.

#### **MARKING**

Pipe markings are as specified in CSA B137.3, NSF 61 and ASTM D2241.

#### **PIPE**

The pipe has pressure ratings as shown in the table below at 73 Degrees F.

#### **GASKETS**

The pipe utilizes a double seal locked (DSL) gasket system that meets the requirements of ASTM D3139: *Standard Specification for Joints for Plastic Pressure 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*. Standard gasket material is Butadiene Styrene (SBR).



**TEST REQUIREMENTS**

Quality testing is as per NAPCO's Quality Control program and in accordance with the applicable CSA, NSF and ASTM standards.

**PIPE DIMENSIONS**

Nominal Size (in)	Outside Diameter, OD (in)	Minimum Wall Thickness, t (in)				Average Bell Depth, BD (in)	Pipe Laid Length, L (ft)
		SDR41/ PR100	SDR32.5 /PR125	SDR26 /PR160	SDR21/ PR200		
4	4.491 – 4.509	0.110	0.138	0.173	0.214	6"	20
6	6.614 – 6.636	0.162	0.204	0.255	0.316	7-1/4"	
8	8.610 – 8.637	0.210	0.265	0.332	0.410	8-1/4"	
10	10.736 – 10.763	0.262	0.331	0.413	0.511	8-1/4"	
12	12.735 – 12.765	0.311	0.392	0.490	0.606	10-1/4"	
14	13.985 – 14.015			0.538		11"	
16	15.985 – 16.015			0.615		13"	
18	17.985 – 18.015			0.692		13"	

