



PVC PIPE



TDR™ PVC IPS Series is our PVC pipe, specially engineered for underground cold potable water distribution systems. It is manufactured with the highest-quality standards.

MATERIAL

Unplasticised Polyvinyl Chloride compound suitable for the conveyance of potable water, certified by NSF to NSF/ANSI Standard 61-G & 372.

QUALITY

Pipes are manufactured under ISO 9001:2015 registered quality management system. In conformance with ASTM D2241.

JOINTING

The push-fit jointing system with rubber seal is used. Integral socket is in conformance with ASTM D3139 for sockets containing a factory installed gasket made of EPDM rubber material bonded to a reinforcing plastic element, which holds the seal securely in position in the pipe socket during transport and pipe assembly.

The pipe spigot has a 15° chamfer with a 1/8" radius on the end to avoid the sharp edge of the pipe from cutting the gasket during insertion. The correct insertion depth is marked.

WORKING TEMPERATURE

The maximum permissible water service temperature is 113°. The pressure rating is reduced by 2% for every 1.8°F increase in temperature above 77°F, to a maximum of 113°F.

PIPELINE BENDING

Long Radius Bend pipe fittings are used to change the direction of the pipeline, however, limited deflection of the pipe is permissible by either of the following ways:

- Joint offset: maximum deflection of the gasketed joint is 1°.
- Pipe bending: minimum bending radius of 300 times the pipe diameter for pipes up to 6" diameter, as per table below.

DIMENSIONS, WEIGHTS & PRESSURE RATINGS

Nominal Size	Ave. OD	Min. Wall	Weight/ft	Insertion Depth	Min. Bend Radius	Pressure Rating @73°F
(in)	(in)	(in)	(lbs)	(in)	(ft)	(psi)
4" SDR26	4.500"	0.173"	1.478	4.290"	112.5	160
6" SDR26	6.625"	0.255"	3.190	5.470"	165.7	160
8" SDR26	8.625"	0.332"	5.385	6.460"	-	160
2" SDR21	2.375"	0.113"	0.511	3.230"	59.4	200
3" SDR21	3.500"	0.167"	1.100	3.820"	87.6	200
4" SDR21	4.500"	0.214"	1.806	4.290"	112.5	200
6" SDR21	6.625"	0.316"	3.904	5.470"	165.7	200
8" SDR21	8.625"	0.410"	6.572	6.460"	-	200
4" SDR17	4.500"	0.265"	2.201	4.290"	112.5	250