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TECHNICAL SPECIFICATION

IPS Pressure Pipe Series 200 SDR21 Solvent Weld

Cell classification 12454

SCOPE

This specification covers the requirements for PVC (polyvinyl chloride) pressure pipe with solvent weld. The pipe is Iron Pipe Size (IPS) in nominal sizes of 1-1/2" – 6". 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) standards 14 and 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 14, 61 and ASTM D2241.

PIPE

The pipe has a pressure rating of 200 psi at 73 Degrees F.

TEST REQUIREMENTS

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

PIPE DIMENSIONS

Nominal Size (in)	Outside Diameter (in)	Wall Thickness (in)	Average Bell Depth (in)	Pipe Length (in)
1-1/2	1.894 – 1.906	0.090 – 0.110	1-3/8"	20' Incl. Bell
2	2.369 – 2.381	0.113 – 0.133	1-1/2"	20' Incl. Bell
2-1/2	2.868 – 2.882	0.137 – 0.157	1-3/4"	20' Incl. Bell
3	3.492 – 3.508	0.167 – 0.187	1-7/8"	20' Incl. Bell
4	4.491 – 4.509	0.214 – 0.240	2-1/4"	20' Incl. Bell
6	6.614 – 6.636	0.316 – 0.354	3"	20' Incl. Bell