

C900/RJ Certa-Lok® PVC Pressure Pipe Certification

C900/RJ Certa-Lok® PVC Pressure Pipe (sizes 4" through 24"; DR 25, DR 21, DR 18 and DR 14), provided by Westlake Pipe & Fittings, is manufactured in accordance with the dimensions, materials, quality control, and marking specifications found in **AWWA C900-16**. The PVC pipe and 4" – 12" PVC coupling material conforms to a minimum cell classification of 12454 as defined by **ASTM D1784**. The pipe and PVC coupling compounds are listed in **PPI TR-4** as a Standard Grade material with a Hydrostatic Design Basis (HDB) of 4000 psi. Couplings for sizes 14" – 24" are made from a glass fiber reinforced resin composite. The standard pipe laying length is 20 or 40 feet.

The C900/RJ Certa-Lok pipe and coupling system provides a restrained joint by utilizing precision-machined grooves on the pipe spigot ends and in the coupling. When assembled, splines are inserted through entry holes in the coupling, resulting in a continuous circumferential restrained joint that locks the pipe and coupling together. Flexible elastomeric gaskets located in grooves on both sides of the coupling provide a hydraulic pressure seal.

C900/RJ Certa-Lok pipe joints meet the requirements of **ASTM D3139**. All products are supplied with isoprene/styrene-butadiene rubber blend (IR/SBR) gaskets. Acrylonitrile butadiene rubber (NBR) gaskets are available as optional upgrades for some sizes. All gasket material options meet the requirements of **ASTM F477**.

Potable Water Applications

Pipe supplied for potable water applications is blue in color. Couplings supplied are white (PVC) or tan (fiberglass) in color. The gasket material used by our vendors as well as C900/RJ Certa-Lok potable water pipe and couplings using those gaskets are listed by NSF International and Underwriters Laboratory per the table below.

Gasket Material Option	Certifications of Gasket Material by Vendor		Certifications of Westlake Pipe & Fittings C900/RJ Pipe with Gasket Material Option		
	NSF 61	NSF 14*	NSF 61	NSF 14	UL 1285
IR/SBR	All sizes & classes	DR 18: 4" – 12" DR 14: 4" – 12"	All sizes & classes	DR 18: 4" – 12" DR 14: 4" – 12"	DR 18: 4" – 12" DR 14: 4" – 12"
NBR	DR 18: 4" – 12" DR 14: 4" – 12"		DR 18: 4" – 12" DR 14: 4" – 12"		

* = Includes certification that gaskets meet the requirements of **ASTM F477**.

Sewer Applications

Pipe supplied for sewer applications is green in color and not listed by Underwriters Laboratories or NSF International. Couplings supplied are white (PVC) or tan (fiberglass) in color.

Reclaimed Water Applications

Pipe supplied for reclaimed water applications is purple in color and not listed by Underwriters Laboratories or NSF International. Couplings supplied are white (PVC) or tan (fiberglass) in color.

Certifications are based on the applicable edition of the referenced standard in effect on the date of manufacture. If we may be of further assistance, please contact Technical Services at technical@westlakepipe.com.

Sincerely,



Joshua E. Clapper
Director, Product Marketing, Marketing and Development

Reference Standards:

- **AWWA C900-16** *Polyvinyl Chloride (PVC) Pressure Pipe and Fabricated Fittings, 4 In. Through 60 In. (100 mm Through 1500 mm)*
- **ASTM D1784** *Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
- **ASTM D3139** *Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals*
- **ASTM F477** *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*
- **NSF 14** *Plastics Piping System Components and Related Materials*
- **NSF 61** *Drinking Water Components – Health Effects*
- **PPI TR-4** *HDB/HDS/SDB/PDB/MRS Listed Materials*
- **UL 1285** *Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service*