



D2241/RJ Certa-Lok® Yelomine® PVC Pressure Pipe Certification

To Whom It May Concern:

D2241/RJ Certa-Lok® Yelomine® PVC Pressure Pipe (sizes 2" through 16"; DR 12.43, SDR 13.5, SDR 17, SDR 21, and SDR 26), provided by NAPCO, is manufactured in accordance with the dimensions, materials, quality control, and marking specifications found in **ASTM D2241**. The standard pipe length is 20 feet.

The Yelomine PVC pipe and coupling material conforms to a minimum cell classification of 12454 as defined by **ASTM D1784**. The pipe compound is listed in **PPI TR-4** as a Standard Grade material with a Hydrostatic Design Basis (HDB) of 4000 psi. The Yelomine PVC material has been specially formulated for increased impact strength and superior ultraviolet light exposure resistance.

The 16" Class 200 couplings are made from a glass fiber reinforced resin composite. All other D2241/RJ Certa-Lok Yelomine Couplings are made from the same PVC material as the pipe segments.

The D2241/RJ Certa-Lok Yelomine 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.

D2241/RJ Certa-Lok Yelomine pipe joints meet the requirements of **ASTM D3139**. All products are supplied with isoprene/styrene-butadiene rubber blend (IR/SBR) or acrylonitrile butadiene rubber (NBR) gaskets that meet **ASTM F477**.

Potable Water Applications

Pipe supplied for potable water applications is yellow or blue in color. Couplings supplied are yellow (PVC) or tan (fiberglass) in color. The gasket materials used by our vendors as well as D2241/RJ Certa-Lok Yelomine potable water pipe and couplings using those gaskets are listed by NSF International per the table below.

Gasket Material Option	Certifications of Gasket Material by Vendor		Certifications of D2241/RJ Pipe & Couplings with Gasket Material Option	
	NSF 61	NSF 14*	NSF 61	NSF 14
IR/SBR	10" – 16": All Classes	10" – 16": All Classes	10" – 16": All Classes	10" – 14": All Classes 16" – with PVC Coupling Only
NBR			2" – 8": All Classes	2" – 8": Class 250 Couplings or Lower

* = 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 NSF International. Couplings supplied are yellow (PVC) or tan (fiberglass) in color.



Reclaimed Water Applications

Pipe supplied for reclaimed water applications is purple in color and not listed by NSF International. Couplings supplied are yellow (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@napcopipe.com.

Sincerely,

NAPCO

Reference Standards:

- **ASTM D1784** *Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
- **ASTM D2241** *Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)*
- **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 61** *Drinking Water Components – Health Effects*
- **NSF 14** *Plastics Piping System Components and Related Materials*
- **PPI TR-4** *HDB/HDS/SDB/PDB/MRS Listed Materials*