

# Ultra Blue™ Seismic PVC | C909

SEISMIC RESISTANT BIAXIALLY ORIENTED PVC WATER PIPE



AWWA C909 ASTM D1784 Cell Class 12454  
UL 1285, ANSI/NSF 61,  
ANSI/NSF 14 CSA B137.3.1

**GASKETS:** ASTM F714

**JOINTS:** ASTM D3139

## MARKETS



SEISMIC



POTABLE



SEWER



RECLAIM

## DESCRIPTION



### ULTRA BLUE™ SEISMIC PVC C909

Nominal Laying Length: **20 feet**

(Laying length tolerances are in accordance with AWWA and ASTM standards)

### PIPE SIZES

6" 8" 10" 12" 16" 24"

#### PIPE COLOR

BLUE

GREEN

PURPLE

#### CIOD (AWWA C909)

305 psi

235 psi



## BENEFITS

## INSTALLATION

- Bell geometry engineered specifically for seismic applications.
- Up to 75% lighter than ductile iron for equivalent sizes, allowing for safe and simple installation.
- Field-cut with a power saw or handsaw; bevel without complicated machinery.
- No lining, wrapping, coating, or cathodic protection is needed to prevent galvanic corrosion.

- Break, crush, and notch resistant.
- Great impact strength, tensile strength is 77% higher compared to regular PVC.
- Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping and material costs.
- PVC holds a hydrostatic design basis (HDB) of 7,100 psi vs. 4,000 psi for conventional PVC.



**50 YEAR**  
WARRANTY



# Ultra Blue™ Seismic PVC | C909

SEISMIC RESISTANT BIAXIALLY ORIENTED PVC WATER PIPE



## SUBMITTAL AND DATA SHEET

### CIOD (AWWA C909)

PIPE SIZE (IN)	AVG. O.D. (ID)	NOM. I.D. (IN)	MIN. T. (IN)	APPROX. E <sup>1</sup>	APPROX. E <sup>2</sup>	APPROX. D <sup>9</sup>	APPROX. WGT (LBS/FT)
PRESSURE CLASS: 305 psi*							
6	6.90	6.30	0.284	8.25	9.25	8.755	3.969
8	9.05	8.26	0.373	9.75	10.75	11.170	6.879
10	11.10	10.13	0.457	10.00	11.00	13.697	10.358
12	13.20	12.05	0.544	12.50	13.50	16.037	14.764
16	17.40	15.85	0.717	11.50	12.50	19.600	25.550
24	25.80	23.57	1.063	16.25	17.25	33.050	57.613
PRESSURE CLASS: 235 psi*							
6	6.90	6.43	0.221	8.25	9.25	8.607	3.118
8	9.05	8.44	0.290	9.75	10.75	11.001	5.399
10	11.10	10.35	0.356	10.00	11.00	13.491	8.145
12	13.20	12.31	0.423	12.50	13.50	15.790	11.590
16	17.40	16.19	0.557	11.50	12.50	19.280	20.039
24	25.80	24.06	0.827	16.25	17.25	29.960	45.250

### PRODUCT STANDARD

ANSI/AWWA C909

### GASKET

ASTM F477

### CERTIFICATION

ANSI/NSF 61  
\* NSF 14  
\* UL1285  
CSA B137.3.1

### NOMINAL LAYING LENGTH

20 feet

(Laying length tolerances are in accordance with AWWA and ASTM standards.)

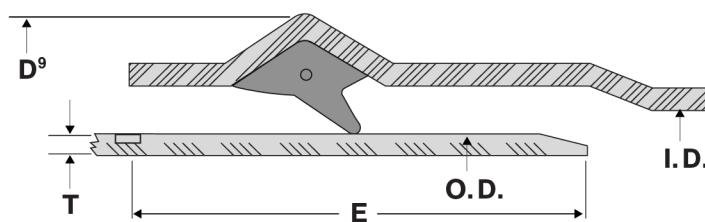
### PIPE COMPOUND:

ASTM D1784 Cell Class 12454

### INSTALLATION

JM Eagle's™ Blue Brute™/Big Blue™/Ultra Blue™ Installation Guide

Manning Coefficient (n) = 0.009  
Hazen-Williams Coefficient (c) = 150



**I.D.** - Inside Diameter

**O.D.** - Outside Diameter

**E** - Distance between Assembly Marks and the end of the spigot.

**T** - Wall Thickness

**D<sup>9</sup>** - Bell Outside Diameter

