



## ASTM D2241 PVC Turf Irrigation Pipe | Solvent Weld

NAPCO's ASTM D2241 Solvent Weld PVC Pipe product line is manufactured to meet the needs of irrigation applications. With top quality raw materials and modern processing technology, our ASTM D2241 pipe meets all industry standards in addition to our own rigorous quality control standards.

NAPCO produces ASTM D2241 Solvent Weld pipe in both bell end and plain end styles.



Short Form Specification	
<b>Pipe Standard:</b>	ASTM D2241
<b>Diameter Std.:</b>	Iron Pipe Size (IPS)
<b>Nominal Sizes:</b>	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 5", 6", 8", 10", 12"
<b>Dimension Ratios &amp; Pressure Ratings:</b>	SDR 41 – 100 psi SDR 32.5 – 125 psi SDR 26 – 160 psi SDR 21 – 200 psi SDR 17 – 250 psi SDR 13.5 – 315 psi
<b>Length:</b>	20' – All Sizes 10' and 40' – Select Sizes
<b>Color:</b>	White or Purple
<b>Pipe Compound:</b>	ASTM D1784 Cell Class 12454
<b>Pipe Joint Std.:</b>	ASTM D2672
<b>Pipe Options:</b>	Solid Wall Plain End (M x M) Solid Wall Bell End (M x F)
<b>Certifications:</b>	NSF 14 & NSF 61 IAPMO Uniform Plumbing Code**
<b>Installation Std.:</b>	ASTM D2774, ASTM D2855 & NRCS 430

*\*Standard option for ordering is 20' Bell End pipe. Consult our Customer Service or Sales Department for Plain End pipe options and other lengths.*

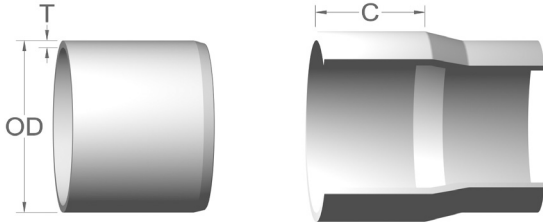
*\*\*IAPMO Uniform Plumbing Code listed products must be requested at time of order.*





# AGRICULTURAL IRRIGATION PRODUCT SPECIFICATION

## ASTM D2241 PVC Turf Irrigation Pipe | Solvent Weld



**Notes:**

1. These dimensions are for estimating purposes only.
2. All dimension are in inches unless otherwise specified.
3. SDR = Standard Dimension Ratio
4. ASTM Pressure Rating @ 73°F and includes 2:1 safety factor.
5. Internal diameter calculated using nominal outside diameter and minimum wall thickness.

**D2241 PIPE DIMENSIONS & PERFORMANCE**

Norm. Size	Pipe Outside Diameter (OD)	SDR	Pressure Rating (psi)	Min. Wall Thickness (T1)	Internal Diameter (ID)	Bell Depth (C)
1/2"	0.840	13.5	315	0.062	0.716	1.175
3/4"	1.050	21	200	0.060	0.930	2.500
		17	250	0.062	0.926	
		13.5	315	0.078	0.894	
1"	1.315	26	160	0.060	1.195	2.500
		21	200	0.063	1.189	
		17	250	0.077	1.161	
		13.5	315	0.097	1.121	
1 1/4"	1.660	32.5	125	0.060	1.540	2.500
		26	160	0.064	1.532	
		21	200	0.079	1.502	
		17	250	0.098	1.464	
		13.5	315	0.123	1.414	
1 1/2"	1.900	32.5	125	0.060	1.780	2.500
		26	160	0.073	1.754	
		21	200	0.090	1.720	
		17	250	0.112	1.676	
		13.5	315	0.141	1.618	
2"	2.375	32.5	125	0.073	2.229	3.250
		26	160	0.091	2.193	
		21	200	0.113	2.149	
		17	250	0.140	2.095	
		13.5	315	0.176	2.023	
2 1/2"	2.875	32.5	125	0.088	2.699	3.500
		26	160	0.110	2.655	
		21	200	0.137	2.601	
		17	250	0.169	2.537	
		13.5	315	2.213	2.449	
3"	3.500	41	100	0.085	3.330	4.250
		32.5	125	0.108	3.284	
		26	160	0.135	3.230	
		21	200	0.167	3.166	
		17	250	0.206	3.088	
		13.5	315	0.259	2.982	



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Nom. Size	Pipe Outside Diameter (OD)	SDR	Pressure Rating (psi)	Min. Wall Thickness (T1)	Internal Diameter (ID)	Bell Depth (C)
4"	4.500	41	100	0.110	4.280	5.500
		32.5	125	0.138	4.224	
		26	160	0.173	4.154	
		21	200	0.214	4.072	
		17	250	0.265	3.970	
		13.5	315	0.333	3.834	
5"	5.563	41	100	0.136	5.291	Contact Technical Services
		32.5	125	0.171	5.221	
		26	160	0.214	5.135	
		21	200	0.265	5.033	
6"	6.625	41	100	0.162	6.301	7.000
		32.5	125	0.204	6.217	
		26	160	0.255	6.115	
		21	200	0.316	5.993	
		17	250	0.390	5.845	
8"	8.625	41	100	0.210	8.205	7.500
		32.5	125	0.265	8.095	
		26	160	0.332	7.961	
		21	200	0.410	7.805	
		17	250	0.508	7.609	
10"	10.750	41	100	0.262	10.226	8.500
		32.5	125	0.331	10.088	
		26	160	0.413	9.924	
		21	200	0.511	9.728	
		17	250	0.632	9.486	
12"	12.750	41	100	0.311	12.128	10.000
		32.5	125	0.392	11.966	
		26	160	0.490	11.770	
		21	200	0.606	11.538	
		17	250	0.750	11.250	

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