

## PRODUCT SPECIFICATION

# ASTM D2241 PVC PRESSURE PIPE

## Solvent Weld

Our ASTM D2241 Solvent Weld PVC Pipe product line is manufactured to meet the needs of residential & commercial plumbing, and other pressure 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.

Westlake Pipe & Fittings produces ASTM D2241 Solvent Weld pipe in both bell end and plain end styles.

## SHORT FORM SPECIFICATION

Pipe Standard:	ASTM D2241	
Diameter Std.:	Iron Pipe Size (IPS)	
Nominal Sizes:	1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4", 6", 8", 10", 12"	
Dimension Ratios & Pressure Ratings:	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
Length:	20' – All Sizes 10' and 40' – Select Sizes	
Color:	White	
Pipe Compound.:	ASTM D1784 Cell Class 12454	
Pipe Joint Std.:	ASTM D2672	
Pipe Options:	Solid Wall Plain End (M x M) Solid Wall Bell End (M x F)	
Certifications:	NSF 14 & NSF 61 IAPMO Uniform Plumbing Code**	
Installation Std.:	ASTM D2774 & ASTM D2855	

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

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



## USE OF PVC PIPE IN EXHAUST SYSTEMS

**WARNING:** Failure to follow these instructions exactly could result in serious injury, death, or property damage.

**WARNING:** Flue gas temperature should not exceed 140° Fahrenheit. PVC pipe exposed to temperatures higher than 140° Fahrenheit may melt or change shape, resulting in leakage of exhaust fumes and property damage.

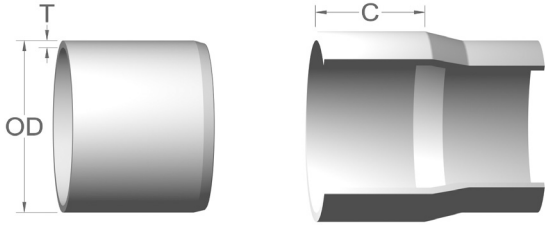
**WARNING CARBON MONOXIDE POISONING HAZARD:** Vent pipe must be properly installed in accordance with all local and national plumbing and HVAC installation standards and codes.

Westlake Pipe & Fittings assumes no responsibility for equipment installed in violation of any code or regulation.

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Notes:

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

D2241 PIPE DIMENSIONS & PERFORMANCE						
Nom. 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
1"	1.315	26	160	0.060	1.195	2.500
		21	200	0.063	1.189	
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	
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	

## PRODUCT SPECIFICATION

**ASTM D2241 PVC PRESSURE PIPE**

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D2241 PIPE DIMENSIONS & PERFORMANCE						
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	
		13.5	315	0.491	5.643	
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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