



BS 3506: Specification for unplasticized polyvinyl chloride (PVC-U) pressure pipes for cold potable water*

Dimension In Inch

Nominal Size	Outside Diameter (mm)		Wall Thickness (mm)									
			Class C			Class D			Class E			
			9 bar			12 bar			15 bar			
inch	Min (mm)	Max (mm)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)	
1/2	21.2	21.5	-	-	-	-	-	-	-	1.7	2.1	0.158
3/4	26.6	26.9	-	-	-	-	-	-	-	1.9	2.5	0.224
1	33.4	33.7	-	-	-	-	-	-	-	2.2	2.7	0.328
1 1/4	42.1	42.4	-	-	-	2.2	2.7	0.419	2.7	3.2	0.508	
1 1/2	48.1	48.4	-	-	-	2.5	3.0	0.544	3.1	3.7	0.666	
2	60.2	60.5	2.5	3.0	0.688	3.1	3.7	0.845	3.9	4.5	1.048	
3	88.7	89.1	3.5	4.1	1.423	4.6	5.3	1.846	5.7	6.6	2.258	
4	114.7	114.5	4.5	5.2	2.367	6.0	6.9	3.113	7.3	8.4	3.742	
5	140.0	140.4	5.5	6.4	3.531	7.3	8.4	4.623	9.0	10.4	5.627	
6	168.0	168.5	6.6	7.6	5.084	8.8	10.2	6.687	10.8	12.5	8.103	
8	218.8	219.4	7.8	9.0	7.855	10.3	11.9	10.250	12.6	14.5	12.400	
10	272.6	273.4	9.7	11.2	12.171	12.8	14.8	15.872	15.7	18.1	19.250	
12	323.4	324.3	11.5	13.3	17.119	15.2	17.5	22.359	18.7	21.6	27.195	
14	355.0	356.0	12.6	14.5	20.591	16.7	19.2	26.964	20.5	23.6	32.728	
16	405.9	406.9	14.5	16.7	27.087	19.0	21.9	35.085	23.4	27.0	42.719	
18	456.7	457.7	16.3	18.8	34.262	21.4	24.6	44.461	-	-	-	
20	507.5	508.5	18.1	20.9	42.278	-	-	-	-	-	-	
24	609.1	610.1	21.7	25.0	60.837	-	-	-	-	-	-	

Pressure ratings for working pressures at 20°C

Class C	9 bar	130.0 ibf/in	300 ft head
Class D	12 bar	173.0 ibf/in	400 ft head
Class E	15 bar	217.0 ibf/in	500 ft head



BS 3506: Specification for unplasticized PVC pipe for industrial uses*

Dimension In Inch

Nominal Size	Outside Diameter (mm)		Wall Thickness (mm)														
			Class O			Class B			Class C			Class D			Class E		
			non pressure			6 bar			9 bar			12 bar			15 bar		
			Individual Value			Individual Value			Individual Value			Individual Value			Individual Value		
inch	Min (mm)	Max (mm)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)	Min (mm)	Max (mm)	Weight (kg/m)
1/2	21.2	21.5	-	-	-	-	-	-	-	-	-	-	-	-	1.7	2.1	0.158
3/4	26.6	26.9	-	-	-	-	-	-	-	-	-	-	-	-	1.9	2.5	0.224
1	33.4	33.7	-	-	-	-	-	-	-	-	-	-	-	-	2.2	2.7	0.328
1 1/4	42.1	42.4	-	-	-	-	-	-	-	-	-	2.2	2.7	0.419	2.7	3.2	0.508
1 1/2	48.1	48.4	1.8	2.2	0.398	-	-	-	-	-	-	2.5	3.0	0.544	3.1	3.7	0.666
2	60.2	60.5	1.8	2.2	0.502	-	-	-	2.5	3.0	0.688	3.1	3.7	0.845	3.9	4.5	1.048
2 1/2	75.0	75.3	1.8	2.2	0.629	-	-	-	3.0	3.5	1.031	3.9	4.5	1.323	4.8	5.5	1.608
3	88.7	89.1	1.8	2.2	0.747	2.9	3.4	1.188	3.5	4.1	1.423	4.6	5.3	1.846	5.7	6.6	2.258
4	114.7	114.5	2.3	2.8	1.234	3.4	4.0	1.806	4.5	5.2	2.367	6.0	6.9	3.113	7.3	8.4	3.742
5	140.0	140.4	2.6	3.1	1.705	3.8	4.4	2.470	5.5	6.4	3.531	7.3	8.4	4.623	9.0	10.4	5.627
6	168.0	168.5	3.1	3.7	2.440	4.5	5.2	3.512	6.6	7.6	5.084	8.8	10.2	6.687	10.8	12.5	8.103
7	193.5	194.0	3.1	3.7	2.817	5.2	6.0	4.673	7.7	8.9	6.828	10.1	11.7	8.841	12.4	14.3	10.718
8	218.8	219.4	3.1	3.7	3.191	5.3	6.1	5.401	7.8	9.0	7.855	10.3	11.9	10.250	12.6	14.5	12.400
9	244.1	244.8	3.1	3.7	3.566	5.9	6.8	6.708	8.7	10.0	9.775	11.5	13.3	12.767	14.1	16.3	15.478
10	272.6	273.4	3.1	3.7	3.987	6.6	7.6	8.379	9.7	11.2	12.171	12.8	14.8	15.872	15.7	18.1	19.250
12	323.4	324.3	3.1	3.7	4.739	7.8	9.0	11.749	11.5	13.3	17.119	15.2	17.5	22.359	18.7	21.6	27.195
14	355.0	356.0	3.6	4.2	6.038	8.5	9.8	14.057	12.6	14.5	20.591	16.7	19.2	26.964	20.5	23.6	32.728
16	405.9	406.9	4.1	4.8	7.863	9.7	11.2	18.343	14.5	16.7	27.087	19.0	21.9	35.085	23.4	27.0	42.719
18	456.7	457.7	4.6	5.3	9.926	11.0	12.7	23.400	16.3	18.8	34.262	21.4	24.6	44.461	-	-	-
20	507.5	508.5	5.1	5.9	12.229	12.2	14.1	28.840	18.1	20.9	42.278	-	-	-	-	-	-
22	558.3	559.3	5.6	6.5	14.772	13.4	15.5	34.849	19.9	22.9	51.137	-	-	-	-	-	-
24	609.1	610.1	6.1	7.1	17.556	14.6	16.8	41.426	21.7	25.0	60.837	-	-	-	-	-	-

*1 bar=105 N/M2 + Pipes to these nominal sizes are not normally available from stock.

*Suitable for water supply, sewerage and ducting applications