

BS EN 1401-1:2019 Plastics piping systems for non-pressure underground drainage and sewerage. Unplasticized poly(vinyl chloride) (PVC-U). Specifications for pipes, fittings and the system

Dimension In Millimeter

Outside Diameter (mm)		Wall Thickness(mm)								
		S 2			S 4			S 8		
		SDR 51			SDR 41			SDR 34		
min	max	e _{min}	e _{max}	Wight (kg/m)	e _{min}	e _{max}	Wight (kg/m)	e _{min}	e _{max}	Wight (kg/m)
110	110.3	-	-	-	3.2	3.8	1.631	3.2	3.8	1.631
125	125.3	-	-	-	3.2	3.8	1.860	3.7	4.3	2.142
160	160.4	3.2	3.8	2.395	4.0	4.6	2.978	4.7	5.4	3.484
200	200.5	3.9	4.5	3.650	4.9	5.6	4.563	5.9	6.7	5.466
250	250.5	4.9	5.6	5.732	6.2	7.1	7.214	7.3	8.3	8.456
315	315.6	6.2	7.1	9.138	7.7	8.7	11.293	9.2	10.4	13.428
355	355.6	7.0	7.9	11.627	8.7	9.8	14.380	10.4	11.7	17.105
400	400.7	7.0	8.9	13.130	9.8	11.0	18.251	11.7	13.1	21.683
450	450.8	8.8	9.9	18.531	11.0	12.3	23.048	13.2	14.8	27.519
500	500.9	9.8	11.0	22.928	12.3	13.8	28.631	14.6	16.3	33.824
630	631.1	12.3	13.8	36.262	15.4	17.2	45.174	18.4	20.5	53.710
710	711.2	13.9	15.5	46.181	17.4	19.4	57.518	-	-	-
800	801.3	15.7	17.5	58.770	19.6	21.8	73.004	-	-	-
900	901.5	17.6	19.6	74.123	22.0	24.4	92.191	-	-	-
1000	1001.6	19.6	21.8	91.713	24.5	27.2	114.069	-	-	-

*Pipes to these nominal sizes are not normally available from stock.

SDR 51 is applicable for application area code "U" only

BSEN 1452-2 : Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U)

Dimension In Millimeter

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)	
0.5	21.2	21.5	-	-	-	-	-	-	-	1.7	2.1	0.158
0.8	26.6	26.9	-	-	-	-	-	-	-	1.9	2.5	0.224
1.0	33.4	33.7	-	-	-	-	-	-	-	2.2	2.7	0.328
1.3	42.1	42.4	-	-	-	2.2	2.7	-	-	2.7	3.2	0.508
1.5	48.1	48.4	-	-	-	2.5	3.0	-	-	3.1	3.7	0.666
2.0	60.2	60.5	2.5	3.0	0.688	3.1	3.7	0.845	-	3.9	4.5	1.048
3.0	88.7	89.1	3.5	4.1	1.423	4.6	5.3	1.846	-	5.7	6.6	2.258
4.0	114.1	114.5	4.5	5.2	2.354	6.0	6.9	3.096	-	7.3	8.4	3.721
6.0	168.0	168.5	6.6	7.6	5.084	8.8	10.2	6.687	-	10.8	12.5	8.103
8.0	218.8	219.4	7.8	9.0	7.855	10.3	11.9	10.250	-	12.6	14.5	12.400
10.0	272.6	273.4	9.7	11.2	12.171	12.8	14.8	15.872	-	15.7	18.1	19.250
12.0	323.4	324.3	11.5	13.3	17.119	15.2	17.5	22.359	-	18.7	21.6	27.195
16.0	405.9	406.9	14.5	16.7	27.087	19.0	21.9	35.085	-	23.4	27.0	42.719
18.0	456.7	457.7	16.3	18.8	34.262	21.4	24.7	44.461	-	-	-	-
20.0	507.5	508.5	18.1	20.9	42.278	-	-	-	-	-	-	-
24.0	609.1	610.1	21.7	25.0	60.837	-	-	-	-	-	-	-

*Suitable for water supply, sewerage and ducting applications