



ASTM D1785 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80*

Dimension In Millimeter

Nominal Size	Outside Diameter (mm)			SCH 40				SCH 80			
				Wall Thickness (mm)			Pressure Rating (bar)	Wall Thickness (mm)			Pressure Rating (bar)
inch	Min (mm)	Max (mm)	Max (mm)	Min (mm)	Max (mm)	Weight (kg/m)		Min (mm)	Max (mm)	Weight (kg/m)	
1/2	21.34	0.01	21.35	2.77	3.28	0.246	41.40	3.73	4.24	0.314	58.60
3/4	26.67	0.01	26.68	2.87	3.38	0.326	33.10	3.91	4.42	0.425	47.60
1	33.40	0.13	33.53	3.38	3.89	0.484	31.00	4.55	5.08	0.627	43.40
1 1/4	42.16	0.13	42.29	3.56	4.07	0.656	25.50	4.85	5.43	0.864	35.90
1 1/2	48.26	0.15	48.41	3.68	4.19	0.783	22.80	5.08	5.69	1.047	32.40
2	60.32	0.15	60.47	3.91	4.42	1.053	19.30	5.54	6.20	1.448	27.60
2 1/2	73.02	0.18	73.20	5.16	5.77	1.671	20.70	7.01	7.85	2.209	29.00
3	88.90	0.20	89.10	5.49	6.15	2.186	17.90	7.62	8.53	2.956	25.50
4	114.30	0.23	114.53	6.02	6.73	3.111	15.20	8.56	9.58	4.320	22.10
5	141.30	0.25	141.55	6.55	7.34	4.213	13.10	9.52	10.66	5.988	20.00
6	168.28	0.28	168.56	7.11	7.97	5.469	12.40	10.97	12.29	8.236	19.30
8	219.08	0.38	219.46	8.18	9.17	8.234	11.00	12.70	14.22	12.510	17.20
10	273.05	0.38	273.43	9.27	10.39	11.671	9.70	15.06	16.87	18.544	15.90
12	323.85	0.38	324.23	10.31	11.55	15.429	9.00	17.45	19.53	25.519	15.90
14	355.60	0.38	355.98	11.10	12.45	18.251	9.10	19.05	21.34	30.600	15.40
16	406.40	0.48	406.88	12.70	14.22	23.864	9.10	21.41	23.98	39.340	15.40
18	475.20	0.48	475.68	14.27	15.97	31.393	9.10	23.80	26.64	51.276	15.40
20	508.00	0.58	508.58	15.06	16.86	35.432	8.40	26.19	29.34	60.226	15.40
24	609.60	0.79	610.39	17.45	19.53	49.317	8.40	30.94	34.65	85.451	14.70

Pressure rating based on water at 23°C for unthreaded pipes.



ASTM D1785 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80*

Dimension In Inch

Nominal Size	Outside Diameter (Inch)			SCH 40					SCH 80				
				Wall Thickness (in)			Internal Diameter	Pressure Rating	Wall Thickness (in)			Internal Diameter	Pressure Rating
inch	Min (in)	Max (mm)	Max (in)	Min (in)	Max (in)	Weight (kg/m)	ID (in)	(PSI)	Min (in)	Max (in)	Weight (kg/m)	ID (in)	(PSI)
1/2	0.840	0.004	0.844	0.109	0.226	0.246	0.622	600	0.147	0.167	0.314	0.546	850
3/4	1.050	0.004	1.054	0.113	0.233	0.326	0.824	480	0.154	0.174	0.425	0.742	690
1	1.315	0.005	1.320	0.133	0.268	0.484	1.049	450	0.179	0.200	0.627	0.957	630
1 1/4	1.660	0.005	1.665	0.140	0.281	0.656	1.380	370	0.191	0.214	0.864	1.278	520
1 1/2	1.900	0.006	1.906	0.145	0.289	0.783	1.610	330	0.200	0.224	1.047	1.500	470
2	2.375	0.006	2.381	0.154	0.305	1.053	2.067	280	0.218	0.244	1.448	1.939	400
2 1/2	2.875	0.007	2.882	0.203	0.398	1.671	2.469	300	0.276	0.309	2.209	2.323	420
3	3.500	0.008	3.508	0.216	0.424	2.186	3.068	260	0.300	0.336	2.956	2.900	370
4	4.500	0.009	4.509	0.237	0.464	3.111	4.026	220	0.337	0.377	4.320	3.826	320
5	5.563	0.010	5.573	0.258	0.289	4.213	5.047	190	0.375	0.420	5.988	4.813	290
6	6.625	0.011	6.636	0.280	0.550	5.469	6.065	180	0.423	0.484	8.236	5.779	280
8	8.625	0.015	8.640	0.322	0.632	8.234	7.981	160	0.500	0.560	12.510	7.625	250
10	10.750	0.015	10.765	0.365	0.717	11.671	10.020	140	0.593	0.664	18.544	9.564	230
12	12.750	0.015	12.765	0.406	0.797	15.429	11.938	130	0.687	0.769	25.519	11.376	230
14	14	0.015	14.015	0.437	0.859	18.251	13.126	130	0.750	0.840	30.600	12.500	220
16	16	0.019	16.019	0.500	0.981	23.864	15.000	130	0.843	0.944	39.340	14.314	220
18	18	0.019	18.019	0.562	1.101	31.393	16.876	130	0.937	1.049	51.276	14.126	220
20	20	0.023	20.023	0.593	1.163	35.432	18.814	120	1.031	1.155	60.226	17.938	220
24	24	0.031	24.031	0.687	1.347	49.317	22.626	120	1.218	1.364	85.451	21.564	210

Pressure rating based on water at 23°C for unthreaded pipes.