

CPVC schedule 40 pipe

Scope : This specification covers requirements for schedule 40 CPVC pressure pipe as described in ASTM F-441.

Material : CPVC used is Type IV, Grade I compound, cell classification 23447-B per ASTM D-1784.

Dimensions : Dimensions and tolerances shall be as shown in the following tables when measured

according to Method D-2122. Tolerances for out-of-roundness shall apply only to pipe prior to shipment.

Marking: Indicates manufacturer's name, material designation code, nominal pipe size, schedule size with pressure rating in PSI for water at 73°F, ASTM designation number F-441.

Schedule 40 Dimensions

單位 (unit) : inch

Nom Pipe Size(in).	O.D.	Average I.D.	Min. Wall	Nom. Wt./Ft.	Max W.P. PSI	code
1/4	0.540	0.344	0.088	0.096	780	41-PIO-04-0008
3/8	0.675	0.473	0.091	0.128	620	41-PIO-04-0010
1/2	0.840	0.602	0.109	0.190	600	41-PIO-04-0015
3/4	1.050	0.804	0.113	0.253	480	41-PIO-04-0020
1	1.315	1.029	0.133	0.371	450	41-PIO-04-0025
1-1/4	1.660	1.360	0.140	0.502	370	41-PIO-04-0032
1-1/2	1.900	1.590	0.145	0.599	330	41-PIO-04-0040
2	2.375	2.047	0.154	0.803	280	41-PIO-04-0050
2-1/2	2.875	2.445	0.203	1.267	300	41-PIO-04-0065
3	3.500	3.042	0.216	1.660	260	41-PIO-04-0080
3-1/2	4.000	3.521	0.226	1.996	240	41-PIO-04-0090
4	4.500	3.998	0.237	2.363	220	41-PIO-04-0100
5	5.563	5.016	0.258	2.874	190	41-PIO-04-0125
6	6.625	6.031	0.280	4.164	180	41-PIO-04-0150
8	8.625	7.942	0.322	6.286	160	41-PIO-04-0200
10	10.750	9.975	0.365	8.886	140	41-PIO-04-0250
12	12.750	11.889	0.406	11.751	130	41-PIO-04-0300
14	14.000	13.073	0.437	13.916	130	41-PIO-04-0350
16	16.000	14.940	0.500	18.167	130	41-PIO-04-0400
18	18.000	16.809	0.562	22.965	130	41-PIO-04-0450
20	20.000	18.743	0.593	29.976	120	41-PIO-04-0500
24	24.000	22.544	0.687	37.539	120	41-PIO-04-0600