

Nominal Size		Mean Outside Diameter (mm)		Wall Thickness (mm)		Pressure at 27° C		Pressure at 82° C	
(in)	(mm)	Average	Tolerance	(mm)	Tolerance	(kg/cm ²)	(MPa)	(kg/cm ²)	(MPa)
½	15	15.9	±0.1	1.65	±0.25	21.8	2.18	5.5	0.55
¾	20	22.2	±0.1	1.95	±0.25	21.8	2.18	5.5	0.55
1	25	28.6	±0.1	2.36	±0.25	21.8	2.18	5.5	0.55
1¼	32	34.9	±0.1	2.85	±0.25	21.8	2.18	5.5	0.55
1½	40	41.3	±0.1	3.85	±0.25	21.8	2.18	5.5	0.55
2	50	54.3	±0.1	4.25	±0.25	21.8	2.18	5.5	0.55

Dimensional Details & Pressure Ratings of SDR-11 (Class-1) CPVC Pipes as per IS-15778 & ASTM D-2846

Nominal Size		Outside Diameter (mm)		Wall Thickness (mm)		Pressure at 27° C		Pressure at 82° C	
(in)	(mm)	Average	Tolerance	(mm)	Tolerance	(kg/cm ²)	(MPa)	(kg/cm ²)	(MPa)
½	15	15.90	±0.1	1.95	±0.25	27.6	2.76	6.8	0.68
¾	20	22.20	±0.1	2.25	±0.25	27.6	2.76	6.8	0.68
1	25	28.60	±0.1	2.85	±0.25	27.6	2.76	6.8	0.68
1¼	32	34.90	±0.1	3.45	±0.25	27.6	2.76	6.8	0.68
1½	40	41.30	±0.1	4.05	±0.25	27.6	2.76	6.8	0.68
2	50	54.30	±0.1	5.20	±0.30	27.6	2.76	6.8	0.68

Dimensional Details of CPVC 4120 SCH-40 Pipe with Maximum Water Pressure Rating as per ASTM F-441

Nominal Size		Outside Diameter				Wall Thickness				Pressure at 23° C	Pressure at 83° C
		Average		Tolerance		Minimum		Tolerance			
(in)	(mm)	(in)	mm	(in)	(mm)	(in)	(mm)	(in)	(mm)	PSI (kg/cm ²)	PSI (kg/cm ²)
2½	65	2.875	73	±0.007	0.18	0.203	5.16	0.024	0.61	300 (20.00)	75 (5.17)
3	80	3.5	88.9	±0.008	0.2	0.216	5.49	0.026	0.66	260 (17.9)	65 (4.48)
4	100	4.5	114.3	±0.009	0.23	0.237	6.2	0.028	0.71	220 (15.2)	55 (3.79)

Dimensional Details of CPVC 4120 SCH-80 Pipe with Maximum Water Pressure Rating as per ASTM F-441

Nominal Size		Outside Diameter				Wall Thickness				Pressure at 73.4° F/23° C	Pressure at 180° F/83° C
		Average		Tolerance		Minimum		Tolerance			
(in)	(mm)	(in)	mm	(in)	(mm)	(in)	(mm)	(in)	(mm)	PSI (kg/cm ²)	PSI (kg/cm ²)
2½	65	2.875	73	±0.007	0.18	0.276	7.01	0.033	+0.84	420 (29.0)	105 (7.24)
3"	80	3.5	88.9	±0.008	0.20	0.30	7.62	0.036	+0.91	370 (25.5)	90 (6.20)
4"	100	4.5	114.3	±0.009	0.23	0.337	8.56	0.040	+1.02	320 (22.1)	80 (5.51)

Consumption of Solvent Cement

Pipe Size (inch)	½	¾	1	1¼	1½	2
No. of Joints (per ft.)	1200	750	500	450	325	225



Measuring



Cutting



Deburring



Cleaning



Solvent Application



Joining

Disclaimer: Specifications are subject to change without prior notification.

Customer Care :

Bisani Construction