



Plumbing Pipes

HIGH PRESSURE SOLVENT CEMENTED PIPES AS PER IS : 4985-2000

Pipes are available in metric series ranging from 20mm to 50mm, in a standard length of 6 meters, plain at both the ends. These pipes are joined by use of solvent cement in which melting & fusion between the pipe & fitting takes place creating a homogeneous joint.

DIMENSION OF HIGH PRESSURE SOLVENT CEMENT JOINED PIPES

Size	O.D. (Max)	WALL THICKNESS		Length (Meters)
		MIN	MAX	
20	20.30	2.80	3.30	6.010
25	25.30	2.90	3.40	6.010
32	32.30	3.40	3.90	6.010
40	40.30	3.60	4.20	6.010
50	50.30	3.70	4.30	6.010



HIGH PRESSURE BLUE & WHITE THREADED PIPES AS PER ASTM-D 1785

These pipes are threaded at both the ends with threads as per IS 554, BSPT. These Pipes can be used in combination with G.I. fittings readily available in the market

Advantages over conventional G.I. Piping systems

- Low transportation cost ● Ease of handling ● Lower Material & Installation cost
- PVC -U Pipe has a smooth surface, which reduces pressure losses and thus conserves electrical energy.
- High corrosion resistance ● Durable . The solvent cement joints are leak proof and the joint is as strong as the parent material. The joints are tested under pressure as stipulated in the standard.
- The lengths can be cut to required measurement and joined easily without laborious threading operation.



DIMENSIONS OF HIGH PRESSURE ASTM PIPES AT 23°C

Size Inches	Mean O.D.	SCHEDULE 40			SCHEDULE 80			SCHEDULE 120			Thread Length (±2mm)	Thread Per inch (nos)
		WALL THICKNESS		Pressure Rating (MPa)	WALL THICKNESS		Pressure Rating (MPa)	WALL THICKNESS		Pressure Rating (MPa)		
		MIN	MAX		MIN	MAX		MIN	MAX			
½	21.34	2.77	3.28	4.14	3.73	4.24	5.86	4.23	4.83	6.69	15.00	14
¾	26.67	2.87	3.38	3.31	3.91	4.42	4.76	4.32	4.83	5.31	16.50	14
1	33.40	3.38	3.59	3.10	4.55	5.08	4.34	5.08	5.69	4.96	19.00	11
1¼	42.16	3.56	4.05	2.55	4.85	5.44	3.59	5.46	6.12	4.14	22.00	11
1½	48.26	3.68	4.19	2.28	5.08	5.69	3.24	5.72	6.40	3.72	22.00	11
2	60.32	3.91	4.42	1.93	5.54	6.20	2.76	6.35	7.11	3.24	30.00	11
2½	73.02	5.16	5.77	2.07	7.01	7.85	2.90	7.62	8.53	3.24	32.00	11
3	88.90	5.49	6.15	1.79	7.62	8.53	2.55	8.89	9.96	3.03	35.00	11
4	114.30	6.02	6.73	1.52	8.56	9.58	2.21	11.10	12.42	2.96	45.00	11

(The compound used in the manufacture of pipes is Type 1, ie. Grade 1PVC 1120 as identified in ASTM D 1784 with specified amount of pigment, stabilizers & other additives)

(All dimensions are in mm)