



Prakash®

Upvc Pipes

Prakash Industries is amongst the largest manufacturers of high quality UPVC pipes and fittings which accords with IS : 4985-2000, in a wide range.



ADVANTAGES OF PRAKASH UPVC PIPES

- Economical
- Light weight
- Easy handling
- Non toxic - Non corrosive
- Resistance to most chemicals
- Low installation and maintenance Cost
- Resistance to abrasion
- Longer Life
- Low thermal conductivity
- Easy Laying and joining

DIMENSIONS OF UNPLASTICISED PVC PIPES (As per IS 4985:2000)

Wall Thickness														
Nominal Outside Diameter (Nominal Size)	Mean Outside Diameter		Class 1 0.25		Class 2 0.40		Class 3 0.60		Class 4 0.80		Class 5 1.00		Class 6 1.25	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	20.0	20.3									1.1	1.5	1.4	1.8
25	25.0	25.0							1.2	1.6	1.4	1.8	1.7	2.1
32	32.0	32.3							1.5	1.9	1.8	2.2	2.2	2.7
40	40.0	40.3					1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3
50	50.0	50.3					1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0
63	63.0	63.3			1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0
75	75.0	75.3			1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9
90	90.0	90.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7	6.1	7.1
110	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7
125	125.0	125.4	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0	8.5	9.8
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11.0
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6
180	180.0	180.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4	12.2	14.1
200	200.0	200.6	2.9	3.4	4.6	5.9	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7
225	225.0	225.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3	15.3	17.6
250	250.0	250.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6
280	280.0	280.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8	19.0	21.9
315	315.0	316.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7

Notes:-

- The table is based on metric series of pipe dimensions given in ISO 161/1 in respect of pipe dimension and ISO DIS 4422.
- The wall thickness of pipes is based on a safe working stress of 8.6 MPa at 27°C and the working pressure gets reduced at sustained higher temperatures. Occasional rise in temperature as in summer season with concurrent corresponding reduction in temperature during nights has no deleterious effect on the life working pressure of the pipe considering the total life of pipes.

For class 1, 2 and 3 of all sizes, this requirement need not to be satisfied as the ratio of minimum wall thickness to nominal outside diameter does not exceed 0.035 in these cases.