

PROPERTIES:

Hazen Williams Constant: 150 remains constant Specific

Gravity: 1.41 - 1.46.

 Coefficient of linear expansion: 5.4×10^{-5} mm/mm/ °C

 Combined Flexural & Compressive strength: 600 - 650 kgf/cm²

 Impact Strength at 200C is 3 kgf/cm²

 Modulus of elasticity: 3 - 3.8 x 10⁴ kgf/cm²

Vicat softening point: 80°C

Electrical Resistance: 1014 ohm, cm

Dimensions of RIGID PVC Pipe (IS 4985: 2000 Extract)

Nominal Outside Diameter	Tolerance on Outside Diameter	Wall Thickness													
		Class 1 2.5 kgf/cm ²		Class 2 4 kgf/cm ²		Class 3 6 kgf/cm ²		Class 4 8 kgf/cm ²		Class 5 10 kgf/cm ²		Class 6 12.5 kgf/cm ²		Plumbing Pipes 15 kgf/cm ²	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
20	+ 0.3									1.1	1.5	1.4	1.8	2.8	3.3
25	+ 0.3							1.2	1.6	1.4	1.8	1.7	2.1	2.9	3.4
32	+ 0.3							1.5	1.9	1.8	2.2	2.2	2.7	3.4	3.9
40	+ 0.3					1.5	1.8	1.8	2.2	2.2	2.7	2.8	3.3	3.6	4.2
50	+ 0.3					1.7	2.1	2.3	2.8	2.8	3.3	3.4	4.0	3.7	4.3
63	+ 0.3			1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5.0		
75	+ 0.3			1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9	5.1	5.9		
90	+ 0.3	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	+ 0.4	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	+ 0.4	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	+ 0.5	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	+ 0.5	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	+ 0.6	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	+ 0.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7	13.6	15.7		
225	+ 0.7	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	+ 0.8	3.	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17.0	19.6		
280	+ 0.9	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	+ 1.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9	21.4	24.7		
355	+ 1.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	19.6	22.6	24.1	27.8		
400	+ 1.2	5.8	6.7	9.1	10.5	13.5	15.6	17.8	20.5	22.0	25.3	27.2	31.3		