



4985-2021



MIRAJ

RIGID PVC PIPE

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**MIRAJ PIPES & FITTINGS
PVT. LTD.**

OPP GANGOTRI, BADI-THUR
ROAD, FENIYON KA GUDA,
UDAIPUR(RAJASTHAN)

ABOUT US

Founded in 2004, Miraj Pipes & Fittings Pvt. Ltd. has emerged as a prominent supplier of high-quality Industrial Pipes, Industrial Pipe Fittings, and HDPE Sprinklers. Under the effective guidance of Chief Operating Officer Mr. Kailash Chandra Agarwal, the company has attained notable success, establishing itself as a reliable provider of superior products. Committed to delivering excellence, Miraj Pipes & Fittings Pvt. Ltd. continues to excel in the industry by providing dependable solutions to cater to a wide range of industrial requirements.

Our state-of-the-art 6 lakh sq. ft. infrastructure, equipped with cutting-edge machinery, excels in handling orders of all sizes. The in-house research and development facility ensures that our products consistently meet ISI standards.

With 28 dedicated machines, our production capacity reaches an impressive 55,640 metric tons. Our commitment to quality is highlighted by our ISO 9001 certification, covering a diverse product range that includes RIGID PVC pipes, SWR pipes, Elastomeric pipes, CPVC & UPVC plumbing solutions, HDPE pipes, Sprinkler pipes, and more.

PRODUCTION CAPACITY

- UPVC Pipes / CPVC Pipes / SWR Pipes / Plumbing Pipes – 49866 MT
- HDPE Pipe / Sprinkler – 3942 MT
- PVC Fitting – 1832 MT

MIRAJ RIGID PVC PIPE

Avail from us supreme quality of Rigid PVC Pipes, which is manufactured as per IS 4985-2021 standards. Our Rigid PVC Pipes are made from Unplasticized Poly Vinyl Chloride, Suspension Grade, K Value 67, which is perfectly blended with suitable chemicals.

The Rigid PVC Pipes are widely popular in the market owing to their high durability and top class performance. High Quality Rigid PVC Pipes are manufactured as per Specification No IS 4985-2021 of the Bureau of Indian Standards.

Product Range :

- Size : 20 mm to 400 mm diameters, Class 1 - Class 5
- Range : 20 feet length or can be customized.

Advantages :

- Self socket at one end & plain at another end.
- Fits easily without needing couplers
- Economical, lightweight, easy to handle & install.
- Smooth inner surface leads to better flow rate & saving of power.
- Non-corrosive, Anti-oxidant & Chemical resistant.
- Longer life and durability due to non-reactive properties.
- High tensile strength.

Product Specification :

SN.	Clause	TEST	Unit	Specification
5	7.2	Dimensions of Socket		
(a)	7.2.1	Formation of Socket	--	Socket formed on the ends of the pipes shall be reasonably parallel to the axis of the pipe.
6	7.2.1.1	Sockets for Solvent Cement Jointing		
(a)	7.2.1.1 Table 3	Socket Length	mm	
(b)		Mean Socket Internal Diameter at Mid-Point of Socket Length d_{im}		
		Minimum	mm	
		Maximum	mm	
7	8.0	Sealing Ring	--	
7	9.1	Pipe Ends	--	The ends of the pipes meant for solvent cementing (both plain and bell ended) shall be cleanly cut and shall be reasonably square to the axis of the pipe
10	Physical & Chemical Parameters			
(a)	10.1	Visual Appearance	--	The Colour of the pipes shall be light grey
	10.1.1			The internal & external surfaces of pipe shall be smooth, clean and free from grooving and other defects.
(b)	10.2	Opacity Test	%	The wall of plain pipe shall not transmit more than 0.2 % of visible lights
(c)	10.4	Reversion Test	%	Shall not alter in lengths by more than 5 %
(d)	10.5	Vicat softening temperature	°C	The vicat softening temp. of specimen shall not be less than 80°C
(e)	10.6	Density Test	g/cm ³	1.40 - 1.46
(f)	10.7	Sulphated Ash content	%	The Sulphated ash content in the pipe shall not exceed 11 %
11	Mechanical Properties			
(a)	11.1	Hydrostatic Characteristics - Acceptance Test	--	Pipe shall not fail at 27°C & 4.19 x PN Pressure
(b)	11.2	Resistance to external blows at 0°C	%	The pipe shall have a true impact rate of more than 10 %

SIZE / OD	OD At Any Point		Socket I.D.	2.5 Kgf/cm ²		4 Kgf/cm ²		6 Kgf/cm ²		8 Kgf/cm ²		10 Kgf/cm ²	
				Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick	
	Min.	Max.		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20.0 + 0.3	19.5	20.5	20.1 ~ 20.3	-	-	-	-	-	-	-	-	1.1	1.5
25.0 + 0.3	24.5	25.5	25.1 ~ 25.3	-	-	-	-	-	-	1.20	1.60	1.4	1.8
32.0 + 0.3	31.5	32.5	32.1 ~ 32.3	-	-	-	-	-	-	1.50	1.90	1.8	2.2
40.0 + 0.3	39.5	40.5	40.1 ~ 40.3	-	-	-	-	1.4	1.8	1.80	2.20	2.2	2.7
50.0 + 0.3	49.4	50.6	50.1 ~ 50.3	-	-	-	-	1.7	2.1	2.30	2.80	2.8	3.3
63.0 + 0.3	62.2	63.8	63.1 ~ 63.3	-	-	1.5	1.9	2.2	2.7	2.80	3.30	3.5	4.1
75.0 + 0.3	74.1	75.9	75.1 ~ 75.3	-	-	1.8	2.2	2.6	3.1	3.40	4.00	4.2	4.9
90.0 + 0.3	88.9	91.1	90.1 ~ 90.3	1.3	1.7	2.1	2.6	3.1	3.7	4.00	4.60	5.0	5.7
110.0 + 0.4	108.6	111.4	110.1 ~ 110.4	1.6	2.0	2.5	3.0	3.7	4.3	4.90	5.60	6.1	7.1
125.0 + 0.4	123.5	126.5	125.1 ~ 125.4	1.8	2.2	2.9	3.4	4.3	5.0	5.60	6.40	6.9	8.0
140.0 + 0.5	138.3	141.7	140.2 ~ 140.5	2.0	2.4	3.2	3.8	4.8	5.5	6.30	7.30	7.7	8.9
160.0 + 0.5	158.0	162.0	160.2 ~ 160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.20	8.30	8.8	10.2
180.0 + 0.5	177.8	182.2	180.2 ~ 180.5	2.6	3.1	4.2	4.9	6.1	7.1	8.00	9.20	9.9	11.4
200.0 + 0.6	197.6	202.4	200.3 ~ 200.6	2.9	3.4	4.6	5.3	6.8	7.9	8.90	10.30	11.0	12.7
225.0 + 0.7	222.3	227.7	225.3 ~ 225.7	3.3	3.9	5.2	6.0	7.6	8.8	10.00	11.50	12.4	14.3
250.0 + 0.8	247.0	253.0	250.4 ~ 250.8	3.6	4.2	5.7	6.5	8.5	9.8	11.20	12.90	13.8	15.9
280.0 + 0.9	276.6	283.4	280.4 ~ 280.9	4.1	4.8	6.4	7.4	9.5	11.0	12.50	14.40	15.4	17.8
315.0 + 1.0	311.2	318.8	315.4 ~ 316.0	4.6	5.3	7.2	8.3	10.7	12.4	14.00	16.10	17.3	19.9
355.0 + 1.1	350.7	359.3	355.4 ~ 356.0	5.1	5.9	8.1	9.4	12.0	13.8	15.80	18.20	19.6	22.6
400.0 + 1.2	395.2	404.8	400.4 ~ 401.0	5.8	6.7	9.1	10.5	13.5	15.6	17.80	20.50	22.0	25.3