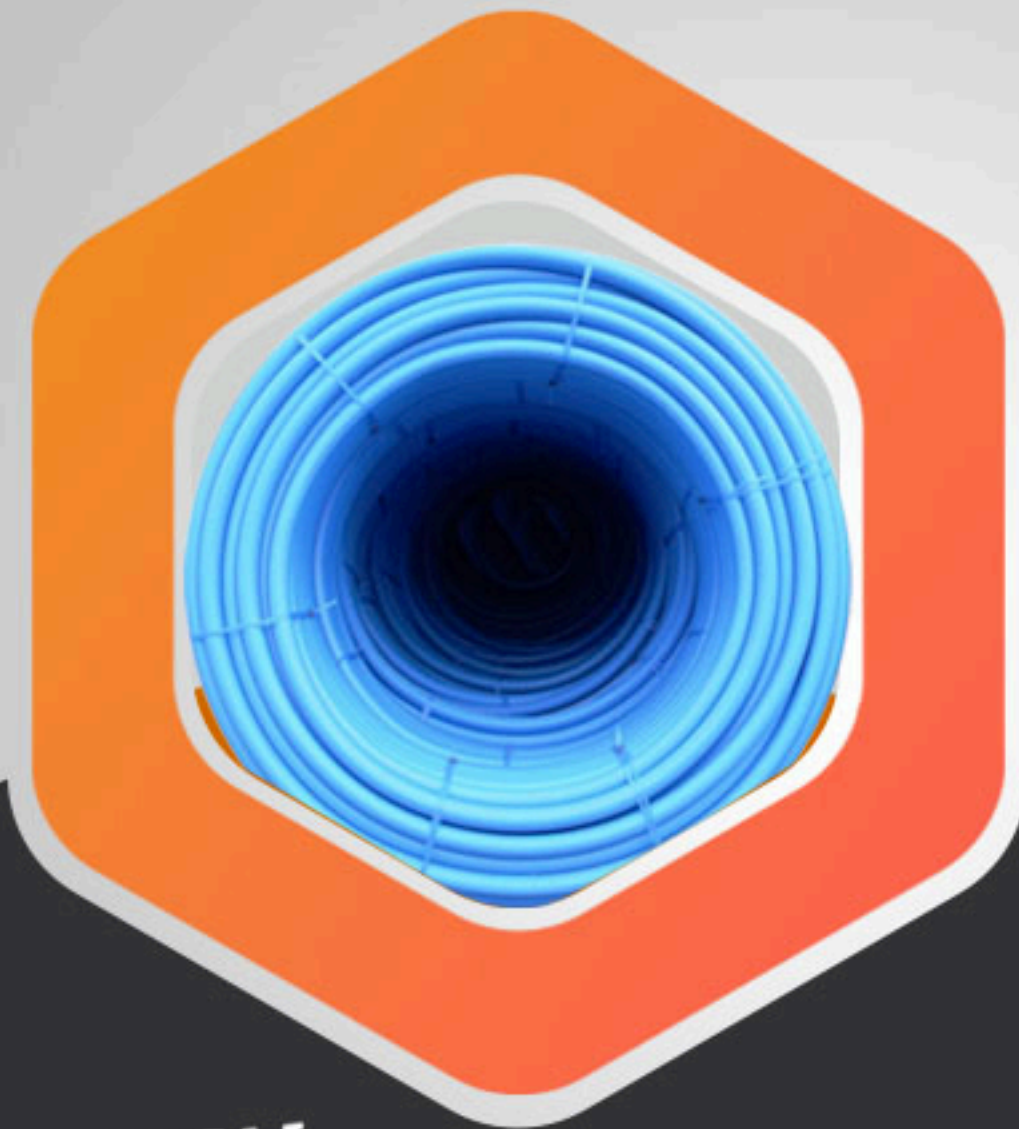




4427-2007



MIRAJ

MDPE PIPE

8875-000-179
sales.mpfpl@mirajgroup.in

**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 MDPE PIPE

Miraj MDPE pipes, known for lightweight, flexibility, and durability, meet ISO 9001-2008 standards. Specifically designed for potable water transport, their inherent properties simplify installation, reducing frost damage risk. Trust Miraj MDPE for innovative and reliable water conveyance solutions.

Product Range :

- Range : 20 mm to 315 mm.
- Grade : PE 80, PE 100

Advantages :

- Light weight, Flexible and durable.
- Crack resistant.
- Robust construction with high impact strength.
- Suitable for cold and waste water distribution system.
- Low friction losses due to excellent smooth internal surface.
- Resistant to chemical reaction, bacterial growth, corrosion, rusting etc.

Product Specification :

MDPE PE 80 :

SIZ E / OD	PN 25 SDR 6		PN 20 SDR 7.4		PN 16 SDR 9		PN 12.5 SDR 11		PN 10 SDR 13.6		PN08 SDR 17		PN06 SDR21		PN05 SDR26		PN04 SDR33		PN3.2 SDR41			
	Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick			
	Mi n	M ax	Mi n	Ma x	Mi n	M ax	Mi n	Ma x	Mi n	Ma x	Mi n	M ax	Mi n	M ax	Mi n	M ax	Mi n	M ax	Mi n	M ax	Mi n	M ax
16 + 0.3	3.0	3.4	2.3	2.7	2.0	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 + 0.3	3.4	3.9	3.0	3.4	2.3	2.7	2.0	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 + 0.3	4.2	4.8	3.5	4.0	3.0	3.4	2.3	2.7	2.0	2.3	-	-	-	-	-	-	-	-	-	-	-	-
32 + 0.3	5.4	6.1	4.4	5.0	3.6	4.1	3.0	3.4	2.4	2.8	2.0	2.3	-	-	-	-	-	-	-	-	-	-
40 + 0.4	6.7	7.5	5.5	6.2	4.5	5.1	3.7	4.2	3.0	3.5	2.4	2.8	2.0	2.3	-	-	-	-	-	-	-	-
50 + 0.4	8.3	9.3	6.9	7.7	5.6	6.3	4.6	5.2	3.7	4.2	3.0	3.4	2.4	2.8	2.0	2.3	-	-	-	-	-	-
63 + 0.4	10.5	11.7	8.6	9.6	7.1	8.0	5.8	6.5	4.7	5.3	3.8	4.3	3.0	3.4	2.5	2.9	-	-	-	-	-	-
75 + 0.5	12.5	13.9	10.3	11.5	8.4	9.4	6.8	7.6	5.6	6.3	4.5	5.1	3.6	4.1	2.9	3.3	-	-	-	-	-	-
90 + 0.6	15.0	16.7	12.3	13.7	10.1	11.3	8.2	9.2	6.7	7.5	5.4	6.1	4.3	4.9	3.5	4.0	-	-	-	-	-	-
110 +0.7	18.3	20.3	15.1	16.8	12.3	13.7	10.0	11.1	8.1	9.1	6.6	7.4	5.3	6.0	4.2	4.8	-	-	-	-	-	-
125 +0.8	20.8	23.0	17.1	19.0	14.0	15.6	11.4	12.7	9.2	10.3	7.4	8.3	6.0	6.7	4.8	5.4	-	-	-	-	-	-
140 +0.9	23.3	25.8	19.2	21.3	15.7	17.4	12.7	14.1	10.3	11.5	8.3	9.3	6.7	7.5	5.4	6.1	-	-	-	-	-	-
160 +1.0	26.6	29.4	21.9	24.2	17.9	19.8	14.6	16.2	11.8	13.1	9.5	10.6	7.7	8.6	6.2	7.0	-	-	-	-	-	-
180 +1.1	29.9	33.0	24.6	27.2	20.1	22.3	16.4	18.2	13.3	14.8	10.7	11.9	8.6	9.6	6.9	7.7	-	-	-	-	-	-
200	33.	36.	27.	30.	22.	24.	18.	20.2	14.	16.3	11.	13.	9.6	10.	7.7	8.6	-	-	-	-	-	-

+ 1.2	2	7	4	3	4	8	2		7		9	2		7						
225 + 1.4	37. 4	41. 3	30. 8	34. 0	25. 2	27. 9	20. 5	22.7	16. 6	18.4	13. 4	14. 9	10. 8	12. 0	8.6	9.6	-	-	-	-
250 + 1.5	41. 5	45. 8	34. 2	37. 8	27. 9	30. 8	22. 7	25.1	18. 4	20.4	14. 8	16. 4	11. 9	13. 2	9.6	10. 7	-	-	-	-
280 + 1.7	46. 5	51. 3	38. 3	42. 3	31. 3	34. 6	25. 4	28.1	20. 6	22.8	16. 6	18. 1	13. 4	14. 9	10. 7	11. 9	-	-	-	-
315 + 1.9	52. 3	57. 7	43. 1	47. 6	35. 2	38. 9	28. 6	31.6	23. 2	25.7	18. 7	20. 7	15. 0	16. 6	12. 1	13. 5	9.7	10. 8	7.7	8.6
355 + 2.2	59. 0	65. 0	48. 5	53. 5	39. 7	43. 8	32. 2	35.6	26. 1	28.9	21. 1	23. 4	16. 9	18. 7	13. 6	15. 1	10. 9	12. 1	8.7	9.7
400 + 2.4	-	-	54. 7	60. 3	44. 7	49. 3	36. 3	40.1	29. 4	32.5	23. 7	26. 2	19. 1	21. 2	15. 3	17. 0	12. 3	13. 7	9.8	10. 9

MDPE PE 100 :

SIZE / OD	PN 25 SDR 7.4		PN 20 SDR 9		PN 16 SDR 11		PN 12.5 SDR 13.6		PN10 SDR 17		PN8 SDR21		PN6 SDR26		PN5 SDR33		PN4 SDR41	
	Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick		Wall Thick	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
16 + 0.3	2.30	2.70	2.0 0	2.3 0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 + 0.3	3.00	3.40	2.3 0	2.7 0	2.0 0	2.30	-	-	-	-	-	-	-	-	-	-	-	-
25 + 0.3	3.50	4.00	3.0 0	3.4 0	2.3 0	2.70	2.00	2.30	-	-	-	-	-	-	-	-	-	-
32 + 0.3	4.40	5.00	3.6 0	4.1 0	3.0 0	3.40	2.40	2.80	2.0 0	2.30	-	-	-	-	-	-	-	-
40 + 0.4	5.5	6.20	4.5 0	5.1 0	3.7 0	4.20	3.00	3.50	2.4 0	2.80	2.0 0	2.3 0	-	-	-	-	-	-
50 + 0.4	6.9	7.7	5.6 0	6.3 0	4.6 0	5.20	3.70	4.20	3.0 0	3.40	2.4 0	2.8 0	2.0 0	2.3 0	-	-	-	-
63 + 0.4	8.6	9.6	7.1 0	8.0 0	5.8 0	6.50	4.70	5.30	3.8 0	4.30	3.0 0	3.4 0	2.5 0	2.9 0	-	-	-	-

75 + 0.5	10.3	11.5	8.4 0	9.4 0	6.8 0	7.60	5.60	6.30	4.5 0	5.10	3.6 0	4.1 0	2.9 0	3.3 0	-	-	-	-
90 + 0.6	12.3	13.7	10. 1	11. 3	8.2 0	9.20	6.70	7.50	5.4 0	6.10	4.3 0	4.9 0	3.5 0	4.0 0	-	-	-	-
110 + 0.7	15.1	16.8	12. 3	13. 7	10. 0	11.1	8.10	9.10	6.6 0	7.40	5.3 0	6.0 0	4.2 0	4.8 0	-	-	-	-
125 + 0.8	17.1	19.0	14. 0	15. 6	11. 4	12.7	9.20	10.30	7.4 0	8.30	6.0 0	6.7 0	4.8 0	5.4 0	-	-	-	-
140 + 0.9	19.2	21.3	15. 7	17. 4	12. 7	14.1	10.3	11.5	8.3 0	9.30	6.7 0	7.5 0	5.4 0	6.1 0	-	-	-	-
160 + 1.0	21.9	24.2	17. 9	19. 8	14. 6	16.2	11.8	13.1	9.5 0	10.6 0	7.7 0	8.6 0	6.2 0	7.0 0	-	-	-	-
180 + 1.1	24.6	27.2	20. 1	22. 3	16. 4	18.2	13.3	14.8	10. 7	11.9	8.6	9.6	6.9 0	7.7 0	-	-	-	-
200 + 1.2	27.4	30.3	22. 4	24. 8	18. 2	20.2	14.7	16.3	11. 9	13.2	9.6	10. 7	7.7 0	8.6 0	-	-	-	-
225 + 1.4	30.8	34.0	25. 2	27. 9	20. 5	22.7	16.6	18.4	13. 4	14.9	10. 8	12. 0	8.6 0	9.6 0	-	-	-	-
250 + 1.5	34.2	37.8	27. 9	30. 8	22. 7	25.1	18.4	20.4	14. 8	16.4	11. 9	13. 2	9.6 0	10. 70	-	-	-	-
280 + 1.7	38.3	42.3	31. 3	34. 6	25. 4	28.1	20.6	22.8	16. 6	18.1	13. 4	14. 9	10. 70	11. 90	-	-	-	-
315 + 1.9	43.1	47.6	35. 2	38. 9	28. 6	31.6	23.2	25.7	18. 7	20.7	15. 0	16. 6	12. 10	13. 50	9.7 0	10. 80	7.7 0	8.6 0
355 + 2.2	48.5	53.5	39. 7	43. 8	32. 2	35.6	26.1	28.9	21. 1	23.4	16. 9	18. 7	13. 60	15. 10	10. 90	12. 10	8.7 0	9.7 0
400 + 2.4	54.7	60.3	44. 7	49. 3	36. 3	40.1	29.4	32.5	23. 7	26.2	19. 1	21. 2	15. 30	17. 00	12. 30	13. 70	9.8 0	10. 90

Testing :

Test	Test Method	Specific requirement
Visual Appearance	As Per ISO:4427-2	Internal & external surfaces of pipe shall be smooth, clean & free from scoring, cavities & other surface defects. The pipe ends shall be cut cleanly and square to the axis of the pipe. The pipes shall be blue
Density	As Per ISO:4427-2	≥ 930 Kg/m ³

Pigment Dispersion Test	As Per ISO:4427-2	Shall be Satisfactory
MFI	As Per ISO:4427-2	0.20 to 1.40 g/10min.
Elongation at Break	As Per ISO:4427-2	≥ 350%
Oxidation Induction Time	As Per ISO:4427-2	> 20 Min. at 200°C