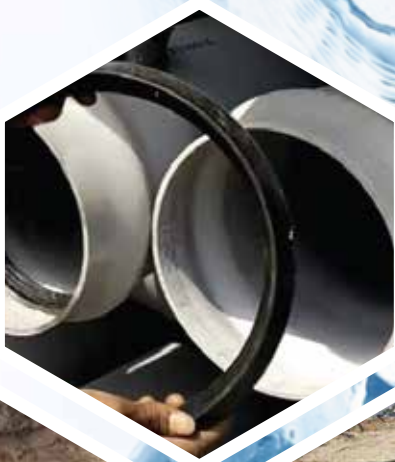




  
**MILAN**  
PIPE

IS 4985:2000  
  
CML:7200089310



**Elastomeric Rigid  
Ring Fit Pipe**

## Milan Ring Fit Pipe

Milan offers an exhaustive range of uPVC pressure pipes and fittings. Pressure pipes are manufactured as per IS 4985: 2000 standard and are available in 20 to 400 mm sizes in different pressure class. Pipes with both types of joints i.e. solvent cement type and rubber seal type are available. Varieties of moulded fittings and wide range of handmade fittings are also available. Moulded fittings are manufactured as per IS 7834 and fabricated fittings are manufactured as per IS 10124 as well as company standards. These pipes and fittings are used for variety of applications like, agriculture, irrigation, water supply, industrial process lines, swimming pools and fire fighting mains, etc. These pipes are superior to C.I., D.I. or R.C.C. pipes and offers number of advantages like-lightweight, easy and fast installation, excellent corrosion and chemical resistance, high flow rates, long life and economy.

## Advantages of Rigid PVC Pipe

**Odourless and Hygienic:** These pipes are most ideal for carrying drinking water as they do not subject to contamination.

**High Corrosion Resistance:** Being immune to Chemical, Electrolytic and Galvanic action, these pipes are free from corrosion.

**Smooth Bore:** Pipes have mirror smooth inside surface and hence better flow characteristics in comparison to AC, CI and GI pipes.

**Self Extinguishing Quality:** This eliminates need for fire resistant coatings.

**Maintenance Free:** Corrosion resistance property of the PVC pipes, eliminates the need for painting or coating.

**Longer Lasting:** As these pipes are free from weakness caused by scale formation, rusting, weathering and chemical action, they lasts for a life time.

**Economical:** Apart from superiority over conventional pipes, Milan PVC pipes are light in weight and hence they offer total economy in handling, transportation and installation.



### Properties:

Hazen Williams constant	:	150 (remains constant)
Specific gravity	:	1.41 - 1.46
Coefficient of linear expansion	:	5.4 x 10mm/m/°C
Combined flexural and Compressive strength	:	60-650kgf/cmJ
Impact strength at 20°C	:	3 Kgf/cm'
Modulus of elasticity	:	3-3.8x 10 <sup>9</sup> Kgf/cmJ
Vicat softening point	:	80°C
Electrical resistance	:	014 ohm, cm

## DIMENSION OF UNPLASTICIZED PVC PIPES

Nominal Outside Diameter (D)	Tolerance on Outside Diameter	Wall Thickness (t) mm									
		Class 1(PN) 2.5 kgf/cm <sup>2</sup>		Class 2(PN) 4 kgf/cm <sup>2</sup>		Class 3(PN) 6 kgf/cm <sup>2</sup>		Class 4(PN) 8 kgf/cm <sup>2</sup>		Class 5(PN) 10 kgf/cm <sup>2</sup>	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	+0.3	-	-	-	-	-	-	-	-	1.1	1.5
25	+0.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8
32	+0.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2
40	+0.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7
50	+0.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3
63	+0.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1
75	+0.3	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9
90	+0.3	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7
110	+0.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1
125	+0.4	-	-	2.9	3.4	4.3	5.0	-	-	-	-
140	+0.5	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9
160	+0.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2
180	+0.6	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4
200	+0.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7
225	+0.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3
250	+0.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9
280	+0.9	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8
315	+1.0	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9
355	+1.1	5.1	5.9	8.1	9.4	12.0	13.8	15.8	18.2	-	-
400	+1.2	5.8	6.7	9.1	10.5	13.5	15.6	-	-	-	-



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