

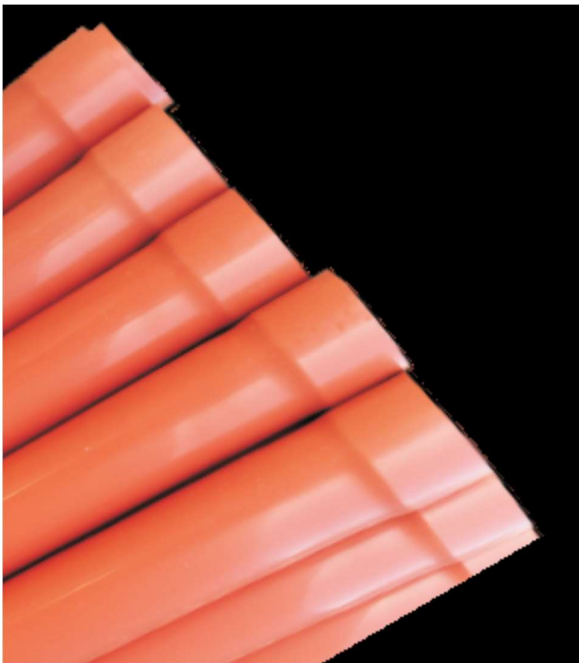
FLOWKEM POLY PLAST PVT.LTD.

FLOWKEM

FOR UNDERGROUND DRAINAGE & SEWERAGE SYSTEMS.

Now Flowkem is offering UNPLASTICIZED NON-PRESSURE POLYVINYL CHLORIDE (PVC-U) PIPES FOR USE IN UNDERGROUND DRAINAGE AND SEWERAGE water for the conveyance of domestic sewage, industrial waste and surface water to specific point and way for treatment purpose.

The Flowkem UDS pipes are manufactured from the best of the raw material grade and engineered to high degree of precision adhering to IS 15328:2003. The pipes are manufactured on the most sophisticated technology and pass through a series of strict Q C check. The Flowkem UDS pipes are available in the dia range of 63mm to 315 mm as per IS 15328:2003, SN-2(SDR 51), SN-4 (SDR 41), & SN-8 (SDR 34) in standard length of 6 mtr. The pipes are designed with both elastomeric sealing ring joint & solvent weld joint socket at the other end which will easily fit to other Pipe smoothly.



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Product range:

Pipes: 63 to 315 mm of SN-2 (SDR-51), SN-4 (SDR-41) & SN-8 (SDR-34)

Standards:

SIZE (mm)	STANDARD	TYPE OF CONNECTION
SN-2 : 160 - 315	IS 15328 : 2003	Elastomeric Sealing Ring & Solvent Joint
SN-4 : 125 - 315		
SN-8 : 63 - 315		

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Technical specification:

Sl.No.	Nominal Outside Diameter, dn (mm)	Mean outside Diameter, dem. (mm)		Nominal Ring Stiffness KN/M ² (SN-2)			Nominal Ring Stiffness KN/M ² (SN-4)			Nominal Ring Stiffness KN/M ² (SN-8)		
				SDR - 51			SDR - 41			SDR - 34		
				Wall thickness (e) (mm)			Wall thickness (e) (mm)			Wall thickness (e) (mm)		
				Min	Max	Avg.	Min	Max	Avg.	Min	Max	Avg.
1	63	63.00	63.30	-----	-----	-----	-----	-----	-----	2.70	3.10	2.90
2	75	75.00	75.30	-----	-----	-----	-----	-----	-----	2.80	3.30	3.05
3	90	90.00	90.30	-----	-----	-----	-----	-----	-----	2.90	3.40	3.15
4	110	110.00	110.40	-----	-----	-----	-----	-----	-----	3.20	3.70	3.45
5	125	125.00	125.40	-----	-----	-----	3.20	3.70	3.45	3.70	4.40	4.05
6	160	160.00	160.50	3.2	3.7	3.45	4.00	4.60	4.30	4.70	5.40	5.05
7	200	200.00	200.60	3.9	4.5	4.2	4.90	5.60	5.25	5.90	6.70	6.30
8	250	250.00	250.80	4.9	5.6	5.25	6.20	7.00	6.60	7.30	8.30	7.80
9	315	315.00	316.00	6.2	7	6.6	7.70	8.70	8.20	9.20	10.40	9.80

Specific Quality Check Parameter:

- (a) Dimensions
- (b) Appearance
- (c) Colour
- (d) Vicat softening temperature
- (e) Longitudinal reversion
- (f) Resistance to external blows at 0° C
- (g) Resistance to internal hydrostatic pressure (Acceptance test)
- (h) Internal hydrostatic pressure test for joints
- (i) Internal negative hydrostatic pressure test (internal vacuum) for joints

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Two special technical check parameter:

- ❖ Pressure pipes with elastic sealing ring type joints - Pressure test for leak proof under conditions of external hydraulic pressure
- ❖ Elastomeric-sealing-ring-type socket joints : for leak tightness under internal pressure (Negative pressure) and with angular deflection

Features and benefits:

- ❖ Leak proof.
- ❖ Long life.
- ❖ Anti-rodent.
- ❖ Easy transportation, light in weight and easy in wet condition.
- ❖ Save time & manpower.
- ❖ Fast and easy installation, even in wet conditions.
- ❖ Resistance to abrasion, smooth bore pipes reduces the risk of blockage.
- ❖ Good Impact resistance.
- ❖ Highly Resistant to negative pressure under the ground.

Application:

- ❖ Non-pressurized underground drainage & sewerage piping system
- ❖ Industrial effluent drain piping
- ❖ STP, ETP & CETP