

# uPVC Underground Drainage and Sewerage System

**Jain**  
**Plumbing**™

Install Peace of Mind !

**WITH OVER 40 YEARS OF EXPERIENCE INDIA'S LEADING PLASTIC PROCESSOR;  
RANGE OF UDS PIPES FOR UNDERGROUND DRAINAGE AND SEWERAGE**



  
**Jain Irrigation Systems Ltd.**  
*Small Ideas. Big Revolutions.\**

IS : 15328 : 2003



CM/L-7654890

**India's largest Polymer processors**

**Jain Irrigation Systems Limited (JISL)**, has an unmatched and enviable performance track record as a **Total Solution Provider** for various thermoplastics piping systems such as for Agriculture, Water, Gas, Telecom, Utility, Sewerage, Chemicals, Industrial Effluents, Mining, Slurry, Coal ash, SWR, Sub soil drainage, Ground water tapping, Lift Irrigation, Micro Irrigation & sprinkler irrigation, Hand pumps, House service connections etc.

Jain Irrigation Systems Ltd is a diversified entity with turnover in excess of \$ 1.2 Billion. We have a global presence with 33 manufacturing bases spread over four continents. Our products are supplied to 126+ countries with able assistance from 11,000+ dealers and distributors worldwide. With over 5 decades of efforts and presence in the marketplace we have reached over 8.5 million farmers

JISL from its noble range brings to you JAIN PVC Underground Drainage Systems. JAIN'S PVC UDS system is the ideal piping solution for all your Underground Drainage and Sewerage requirement in Residential and Commercial Colonies, Townships, Urban and Rural Sewerage transmission. Jains PVC UDS Piping systems are manufactured as per major national and international standards and parameters.

### uPVC UDS Pipe Properties

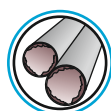
Sr. No.	Property	Test Method	Value	Unit
1	Longitudinal Reversion	IS12235 (Part 5)	+/- 5.0 %	
2	VST	IS 12235 (Part 2)	Min. 79	°C
3	Impact Strength	IS 15328 : 2003	Maximum 10%	TIR
4	Ring Stiffness	IS 15328 : 2003	As Specified	
5	Resistance To Internal Hydrostatic pressure	IS 12235 (Part 8)	Shall not crack, bulge or burst	
6	Joint Internal Hydrostatic pressure Test	IS 15328 : 2003	0.5	bar
7	Joint Internal negative Hydrostatic pressure (Vacuum) Test	IS 15328 : 2003	0.3	bar
8	Resistance to Dichloromethane	IS 12235 (Part 11)	Shall not attack	
9	Opacity	IS 12235 (Part 3)	< 0.2%	
10	Burning Rate	ASTM D635	Self-Extinguishing	
11	Flammability Rating	UL 94	94 V-0	

Nominal Ring Stiffness SN (KN/m2) →	2	4	8
Standard Dimension Ratio (SDR) →	51	41	34
Sr. no.	Nominal outside Diameter (MM)	Minimum Wall Thickness (MM)	
1	110	-	3.2
2	125	-	3.7
3	160	3.2	4.7
4	200	3.9	5.9
5	250	4.9	7.3
6	315	6.2	9.2
7	400	7.9	11.7
8	500	9.8	14.6
9	630	12.3	18.4

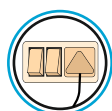
### Features of UDS Pipe and Fitting Systems

- ◆ Light in weight and strong
- ◆ Uniform wall thickness
- ◆ Inner smooth surface, no blockages
- ◆ Available in solvent weld and EPDM ring fit joints
- ◆ Maintenance free
- ◆ No root intrusion
- ◆ Corrosion proof
- ◆ 100% water tight and free from underground ill effects
- ◆ Easy and quick to install
- ◆ Hygienic and safe
- ◆ Durable
- ◆ Minimizes excavation cost

### Salient Features -



**Corrosion Resistant**



**No Electrical tools required**



**Excellent Earth Load bearing strength**



**Easy to install**



**Durability 50+ years**



**Economical**



Always use Jain's **Perma-Fix** Solvent Cement for better Bonding Performance.



Always use Jain's **Perma-Lube** Rubber Lubricant for smoother jointing process in rubber ring joint



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CIN:L29120MH1986PLC042028