

uPVC Plumbing Piping system

Jain
Plumbing™

Install Peace of Mind !

WITH OVER 40 YEARS OF EXPERIENCE INDIA'S LEADING PLASTIC PROCESSOR;
BRINGS TO YOU
uPVC PLUMBING PIPES AND FITTINGS SYSTEM FOR COLD WATER PLUMBING



 **JAIN**®
Jain Irrigation Systems Ltd.
Small Ideas. Big Revolutions.®

IS:4985:2021-Type A



CM/L-0971867
Pipes

IS:7834:1987



CM/L-7391177
Fittings

India's Leading Piping Solution Provider

Jain Irrigation Systems Limited (JISL), has an unmatched and enviable performance track record as a **Total Solution Provider** for various thermoplastic 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 Plumb Pipes and Fittings which are available in a vast range conforming to IS-4985 and IS-7834 latest version for potable water application. Jain PVC Plumb Pipes and Fittings can be installed on the surface or can be buried. These pipes and fittings are Rigid, Durable, Corrosion resistant, Safe for drinking, Easy to Install and have a smooth surface.

Product Range Pipes: \varnothing 20 mm - 50 mm

Product Range Fittings: \varnothing 20 mm - 32 mm in HD (Heavy Duty) And \varnothing 40 mm - 50 mm in HD (Heavy Duty) and LW (Light weight)

Perma-fix PVC Solvent Cement is recommended for best bonding strength and performance.

PVC Plumb Pipe Properties

Sr. No	Property	Test Method	Required Value	Unit
1	PVC K Value	IS 4669	>64	-
2	Specific Gravity	IS 12235 Part 14	1.40-1.46	-
3	Thermal Conductivity (K)	ASTM C177	0.16	W/(m.k)
4	Sustained Pressure Test	IS 12235 Part 8	No Failure	
5	Hydrostatic Design Stress at 72°C	IS 4985	1224	PSI
6	Effect on Water	IS 12235 PART 4 & 10	No Detrimental Effect	
7	Modulus of elasticity in tension	ASTM D 638	400000	PSI
8	Burning Rate	ASTM D635	Self-Extinguishing	
9	Flammability Rating	UL 94	V-0	rating
10	Coefficient Of Thermal Expansion	ASTM D 696	5.0 X 10-5	mm/mm°C
11	Hazen Williams Coefficient	-	C value 150	
12	VST	IS 12235 (Part 2)	Minimum 80	°C
13	Resistance to Acetone (Extrusion Quality Test)	ASTM D 2152	Shall not flake or disintegrate	-
14	Sulphated Ash Content	IS 4985	<11%	
15	Impact Strength	IS 12235 (Part 9)	Maximum 10%	TIR
16	Transmission Of Visible Light	IS 12235 (Part 3)	< 0.2%	%
17	Longitudinal Reversion	IS12235 (Part 5)	+/- 5.0 %	%
18	Resistance to Dichloromethane	IS 12235 (Part 11)	Shall not attack	-

PVC Plumb Pipe Wall Thickness Chart

Sr. No	Nominal Outside Diameter	Pipe Minimum Wall Thickness
	MM	MM
1	20	2.8
2	25	2.9
3	32	3.4
4	40	3.6
5	50	3.7

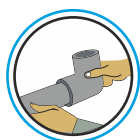


Always use
Jain's Perma-Fix - UPVC Solvent Cement for better Bonding Performance.
Available in 50ml, 100ml, 250ml, 500 ml and 1 lt

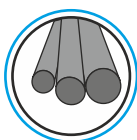
Salient Features -



For Cold Water



Easy To Install



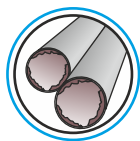
Durability
50+ years



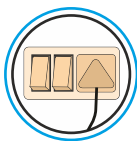
Economical



Safe for
drinking water



Corrosion
Resistant



No Electrical
tools required



Lower bacterial
growth