

# CPVC Piping System



Install Peace of Mind !

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

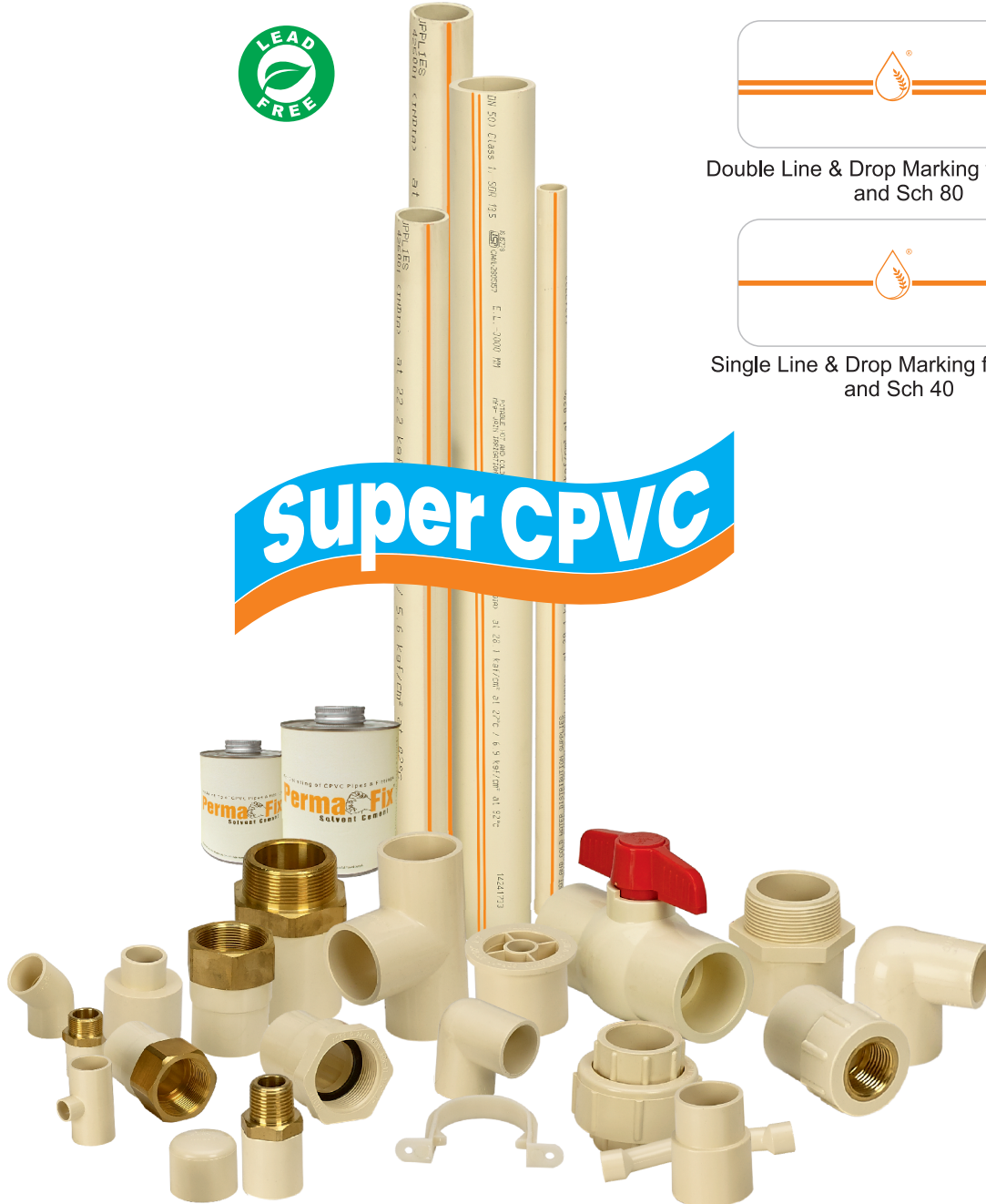


Double Line & Drop Marking for SDR 13.5 and Sch 80



Single Line & Drop Marking for SDR 11 and Sch 40

## Super CPVC



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

IS : 15778 : 2007



CMIL-2905157  
For Pipes  
(15 to 50mm)

CPVC PIPES  
**ASTM F 441**

For SCH 40 & 80 Pipes  
(65 to 150mm)

CPVC FITTINGS  
**ASTM D 2846**

For SDR 11 Fittings  
(15 to 50mm)

CPVC FITTINGS  
**ASTM F 439**

For SCH 80 Fittings  
(65 to 100mm)

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 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 PLUMBING CPVC Pipe and Fitting systems for all your Domestic Hot and Cold water plumbing requirements. Jain Plumbing's Solvent welded high quality CPVC Pipe & Fitting Systems are manufactured in line with major national and international standards and parameters. The main intent and efforts is to provide you with high quality and sustainable plumbing solutions for a long and healthy life.

### Product Range

• **Pipes:** 15 NB (½") to 150 NB (6") • **Fittings:** 15 NB (½") to 100 NB (4")

Property	Test Method	Value	Unit
CPVC Compound Cell Classification	IS 15225	D.P.110-2-3-2	
Chlorine Content(Base CPVC Resin)	IS 15778	≥ 66.5 %	
Specific Gravity	IS 13360(Part 3/Sec 1)	Minimum 1.45	
VST	IS 12235 (Part 2)	≥ 110°	°C
Thermal Conductivity (K)	ASTM C177	0.16	W/(m·K)
Malfunctioning Test Temperature at 10 bar for 1000 Hrs.	IS 15778	95± 2	°C
Tensile Strength Yield at 27 ± 2°C	IS 12235 (Part 13)	500	Kg/cm <sup>2</sup>
Modulus of elasticity in tension	DIN 53455	2000 - 2500	Mpa
Impact Strength	ISO 178	Maximum 10%	TIR
Charpy Notched Impact Strength	ISO 179	> 4	KJ/M <sup>2</sup>
Transmission Of Visible Light	IS 12235 (Part 3)	< 0.2%	
Burning Rate	ASTM D635	Self-Extinguishing	
Flammability Rating	UL 94	94 V-0	
Coefficient of Thermal Expansion	ASTM D 696	3.4 x10 <sup>-5</sup>	mm/mm°F

\*For Size upto 2"(50mm NB)

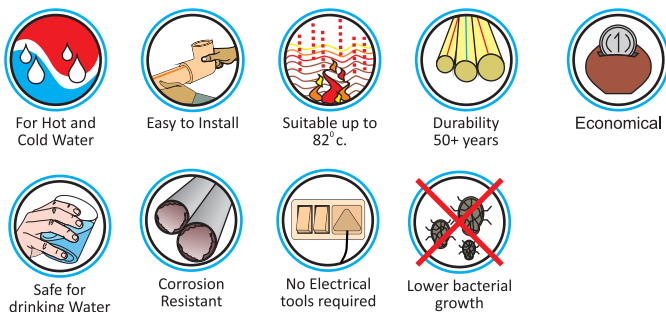
For Pipes 15mm to 50mm as per IS 15778

Pipe & Fittings Classification	Operating Temperature	Operating Pressure
SDR 11	27°C	27.6 kg/cm <sup>2</sup>
	82°C	6.8 kg/cm <sup>2</sup>
SDR 13.5	27°C	21.8 Kg/cm <sup>2</sup>
	82°C	5.5 kg/cm <sup>2</sup>

For Pipes 65mm to 150mm as per ASTM F 441

Nominal Size	Recommended Working Pressure (Kg/cm <sup>2</sup> )			
	Operating Temperature 27° c (80.6° F)		Operating Temperature 82° c (179.6° F)	
	SCH 40	SCH 80	SCH 40	SCH 80
2½"	21.10	29.57	5.30	7.34
3"	18.25	26.00	4.58	6.32
4"	15.49	22.53	3.87	5.60
6"	12.64	19.68	3.16	4.89

### Salient Features



Always use **Jain's Perma-Fix - CPVC** Solvent Cement for better Bonding Performance. Available in 118 ml, 237 ml, 473 ml and 946 ml

### CPVC pipe and fittings range

Pipe & Fittings Classification	As per Standard Specification	Size Range (in inches)
SDR 11 CPVC Pipes	BIS 15778	(15 to 50mm)
SDR 13.5 CPVC Pipes	BIS 15778,	(15 to 50mm)
SDR 11 Fittings	ASTM D 2846	(15 to 50mm)
SCH 40 & 80 C-PVC Pipes	ASTM F 441	(65 to 150mm)
SCH 80 CPVC Fittings	ASTM F 439	(65 to 100mm)