

## JAIN "QUICK FIT™" PIPE



Jain Irrigation Systems Limited has perfected a series of pipes ranging from 63mm to 315mm OD conforming to IS-4985 with their "Quick-fit™" integral rubber ring joints which has eliminated the field problems faced by the user with other types of joints. Jain "Quick-fit™" joints use high quality imported rubber rings which give the pipeline system water tightness and structural stability required for pressure applications.

- Manufactured from high quality PVC resin.
- "Quick-fit™" rubber ring joint ensures easy, faster installation and commissioning.
- Conforms to Indian (IS-4985) and International (ISO-4422) standards.
- No need of any cementing material.
- Strict quality control ensures a product of high performance exceeding the requirement of standards.
- Even in extreme temperature variations, the Jain Quick-fit pipe can absorb linear expansion and contraction leaving the joint intact.
- Totally non-corrosive and resistant to many chemicals and chemically active soils.
- Very smooth inner bore of the pipe ensures lesser loss of head due to friction.
- High tensile strength and modulus of elasticity ensures absorption of mechanical shocks and soil settlements.
- The best piping system for underground potable, irrigation and industrial water supply.

*Providing Mankind with Lifeline.*

# JAIN "QUICK FIT™" PIPE

## PHYSICAL PROPERTIES

| PROPERTY              | UNIT                | VALUE       |
|-----------------------|---------------------|-------------|
| Specific Gravity      | g/cc                | 1.4-1.44    |
| Tensile Strength      | KGF/cm <sup>2</sup> | 400-500     |
| Modulus of Elasticity | KGF/cm <sup>2</sup> | 27000-32000 |
| Vicat Softening Temp  | °C                  | 80 (min.)   |
| Impact Resistance     | Joules              | 4-4.5       |
| Heat Reversion        | %                   | ±5          |
| Opacity               | %                   | 0.2 max.    |
| Flexural Strength     | KGF/cm <sup>2</sup> | 800-900     |
| Thermal Conductivity  | Kcal/mh C           | 0.12 - 0.14 |

JAIN "QUICK FIT™" Pipes are regularly tested for the following additional test to ensure a quality product:

- Heat Distortion
- Crush Resistance
- Surface Strain Tests
- Hydraulic Pressure Test
- Bending Radius
- Resistance to Chemical
- Load Deformation
- Coefficient of Friction
- Flattening Test

## SPECIFICATIONS

(As per IS- 4985:2000)

| Outside<br>Dia.<br>mm | Wall Thickness in mm   |     |                        |      |                        |      |                       |      |                         |      |
|-----------------------|------------------------|-----|------------------------|------|------------------------|------|-----------------------|------|-------------------------|------|
|                       | 4.0 kg/cm <sup>2</sup> |     | 6.0 kg/cm <sup>2</sup> |      | 8.0 kg/cm <sup>2</sup> |      | 10 kg/cm <sup>2</sup> |      | 12.5 kg/cm <sup>2</sup> |      |
|                       | min                    | max | min                    | max  | min                    | max  | min                   | max  | min                     | max  |
| 63                    | -                      | -   | 2.2                    | 2.7  | 2.8                    | 3.3  | 3.5                   | 4.1  | 4.3                     | 5.0  |
| 75                    | -                      | -   | 2.6                    | 3.1  | 3.4                    | 4.0  | 4.2                   | 4.9  | 5.1                     | 5.9  |
| 90                    | -                      | -   | 3.1                    | 3.7  | 4.0                    | 4.6  | 5.0                   | 5.7  | 6.1                     | 7.1  |
| 110                   | -                      | -   | 3.7                    | 4.3  | 4.9                    | 5.6  | 6.1                   | 7.1  | 7.5                     | 8.7  |
| 125                   | -                      | -   | 4.3                    | 5.0  | 5.6                    | 6.4  | 6.9                   | 8.0  | 8.5                     | 9.8  |
| 140                   | 3.2                    | 3.8 | 4.8                    | 5.5  | 6.3                    | 7.3  | 7.7                   | 8.9  | 9.5                     | 11.0 |
| 160                   | 3.7                    | 4.3 | 5.4                    | 6.2  | 7.2                    | 8.3  | 8.8                   | 10.2 | 10.9                    | 12.6 |
| 180                   | 4.2                    | 4.9 | 6.1                    | 7.1  | 8.0                    | 9.2  | 9.9                   | 11.4 | 12.2                    | 14.1 |
| 200                   | 4.6                    | 5.3 | 6.8                    | 7.9  | 8.9                    | 10.3 | 11.0                  | 12.7 | 13.6                    | 15.7 |
| 225                   | 5.2                    | 6.0 | 7.6                    | 8.8  | 10.0                   | 11.5 | 12.4                  | 14.3 | 15.3                    | 17.6 |
| 250                   | 5.7                    | 6.5 | 8.5                    | 9.8  | 11.2                   | 12.9 | 13.8                  | 15.9 | 17.0                    | 19.6 |
| 280                   | 6.4                    | 7.4 | 9.5                    | 11.0 | 12.5                   | 14.4 | 15.4                  | 17.8 | 19.0                    | 21.9 |
| 315                   | 7.2                    | 8.3 | 10.7                   | 12.4 | 14.0                   | 16.1 | 17.3                  | 19.9 | 21.4                    | 24.7 |



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