

**VARUNA**  
HDPE PIPES



# VARUNA NEERAVARI PIPES PVT. LTD.

AN ISO 9001 : 2008 CERTIFIED COMPANY



VARUNA NEERAVARI PIPES PVT. LTD.



## COMPANY PROFILE

**VARUNA NEERAVARI PIPES PVT. LTD.** is a group of NARMADA PIPE INDUSTRIES which is one of the most trusted ISI brand in India, since 25 years for providing quality of products along with service. Our HDPE products are well known for quality life of over 50 years.

Our service is primary motto to the customers. Varuna Neeravari is standing outer most level in providing service to the customers. We named our HDPE brand pipes throughout Karnataka. We motivated our customers through good service and quality of products. We have a quick and well trained people working in our service groups. Factors motivating to our customers

1. Quality work
2. Better understanding
3. Quick installations
4. Fast delivery

We offer HDPE pipes which are manufactured using 100% virgin grade HDPE components. HDPE pipes have an average life of more than 50 years under normal working conditions. Our pipes are offered in all standards such as ISI-4984, ISO-4427, DIN-8074 and different grades like PE-63, PE-80, PE-100 & newly invented PE 100+ material approved by international agencies. Our pipes are available in sizes ranging from 20 mm up to 315 mm OD, and pressure varying from 2.5 Kg/Cm2 up to 20.0 Kg/Cm2. customization is done as per the client specific needs.

## WHY VARUNA PIPES

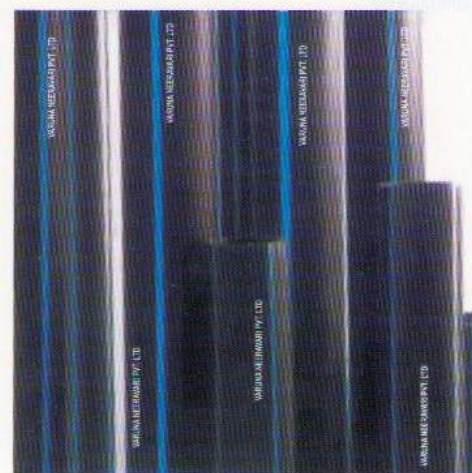
The pioneers in thermoplastic injection moldings since 1990 have diversified into the manufacture of HDPE pipe with German and Japan machineries using VIRGIN grade raw material as per IS,ISO, DIN ASTM,BM and other international standards.

Varuna has the right technical expertise to deliver Product of high international standards, there by creating a place for itself in the market.

Our comprehensive range of HDPE Pipes is manufactured using quality HDPE granules and is designed in compliance with international quality parameters. Unaffected by chemicals and soil, these pipes have numerous techno-commercial advantages over the conventional piping systems. Our range of pipes has smooth inner surface that offers a high flow factors reducing the time period which is required for supply of fluids.

## KEY FEATURES OF VARUNA PIPES

- ▶ Strong and durable
- ▶ Light weight
- ▶ Excellent flow characteristics
- ▶ Resistant to abrasion
- ▶ Low thermal & electrical conductivity
- ▶ Low cost of installation and maintenance
- ▶ Long life of minimum 50 years
- ▶ Smooth internal and external surface
- ▶ Excellent flexibility and strength
- ▶ Trouble free high performance
- ▶ Competitive pricing
- ▶ Being a non-corrosive materials they are most suitable for soil
- ▶ 100% hygiene
- ▶ Chemical resistance





## APPLICATIONS

- ✦ Portable water supply
- ✦ Bore wells
- ✦ Gas transmission
- ✦ Sprinkler irrigation
- ✦ Sewerage/drainage
- ✦ Industrial effluents
- ✦ Chemical industries
- ✦ Irrigation
- ✦ House service connections



## HDPE FOR AGRICULTURE

In agriculture, it is best suited because

- ◆ Being non-corrosive materials they are most suitable for soil. No accumulations of carbonates, sulphates and oxides over the inner and outer surfaces as they are specially treated with special anti axial elements.
- ◆ They are used for submersible, jet pumps and compressors to any kind of depths.
- ◆ Dominant longer life of HDPE materials over many kind of materials used in the fields.
- ◆ High elastic strength of HDPE allows us to use for deep runs in the fields.
- ◆ Easy for transportation and storage.



## HDPE PIPES FOR INDUSTRIES

Widely applicable in chemical, power and various other industries, our range of HDPE pipes is in huge demand across the globe. These HDPE pipes are customized as per the specifications of our clients and possess following specifications:

- ★ Size Range: from 20 mm OD to 315 mm OD
- ★ Pressure Rating: 2.5 kg/ sq. cm to 20.0 kg/ sq. cm
- ★ Raw Material Grade: PE 63, PE 80, PE 100
- ★ Color: Black with Blue Strips, Blue or as per customer requirement
- ★ Available in Straight Lengths or Rolls/Coils up to 5 to 6m OD or as per customers requirements
- ★ Normal Working Temperature Range: -40° C. to +80° C
- ★ Working life: 50 Years for Water Application
- ★ Conforms to as per IS 4984 : 1995, ISO 4427: 2007, IS 14333: 1996, DIN 8074(1999-08) ,IS 14151: 1999 standards or as specified by customer





## WALL THICKNESS CHART OF VARUNA ISI HDPE PIPES

Size in mm	PE 80 (PN 2.5)		PE 80 (PN 4.0)		PE 80 (PN 6.0)		PE 80 (PN 8.0)		PE 80 (PN 10.0)		PE 80 (PN 12.5)		PE 80 (PN 16.0)	
	Tmin	Tmax	Tmin	Tmax	Tmin	Tmax	Tmin	Tmax	Tmin	Tmax	Tmin	Tmax	Tmin	Tmax
20											2.3	2.8	2.8	3.3
25									2.3	2.8	2.8	3.3	3.5	4.1
32							2.4	2.9	3.0	3.5	3.6	4.2	4.5	5.2
40					2.3	2.8	3.0	3.5	3.7	4.3	4.5	5.2	5.6	6.4
50			2.3	2.8	2.9	3.4	3.8	4.4	4.6	5.3	5.6	6.4	6.9	7.8
63			2.5	3.0	3.6	4.2	4.7	5.4	5.8	6.6	7.0	7.9	8.7	9.8
75			2.9	3.4	4.3	5.0	5.6	6.4	6.9	7.8	8.4	9.5	10.4	11.7
90	2.3	2.8	3.5	4.4	5.1	5.9	6.7	7.6	8.2	9.3	10.0	11.2	12.5	14.0
110	2.7	3.2	4.6	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.3	13.8	15.2	17.0
125	3.1	3.7	4.9	5.6	7.1	8.1	9.3	10.5	11.4	12.8	13.9	15.5	17.3	19.3
140	3.5	4.1	5.4	6.2	8.0	9.0	10.4	11.7	12.8	14.3	15.6	17.4	19.4	21.6
160	4.0	4.6	6.2	7.1	9.1	10.3	11.9	13.3	14.6	16.3	17.8	19.8	22.1	24.6
180	4.4	5.1	7.0	7.9	10.2	11.5	13.4	15.0	16.4	18.3	20.0	22.2	24.9	27.6
200	4.9	5.6	7.7	8.7	11.4	12.8	14.9	16.6	18.2	20.3	22.3	24.8	27.6	30.0
225	5.5	6.3	8.7	9.8	12.8	14.3	16.7	18.6	20.5	22.8	25.0	27.7	31.1	34.5
250	6.1	7.0	9.7	10.9	14.2	15.9	18.6	20.7	22.8	25.3	27.8	30.8	34.5	38.2
315	6.6	7.8	11	14.5	15.6	18.2	19.9	23.5	23.9	27.5	28.8	32.5	38.1	41.6



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