

**Elegant**  
POLYMERS



HDPE PIPES AND COIL



DRIP IRRIGATION SYSTEMS



SPRINKLER SYSTEMS



# Elegant POLYMERS



## ABOUT US

Establishment In the year 1987 "Elegant Polymers, Rajkot", is an ISO 9001:2008 certified organization engaged in manufacturing, trading, exporting and supplying a vast gamut of Pipes, Coils, Welding Machines and Other Industrial Supplies. We use latest machines, tools and advanced techniques to fabricate our entire range of products. Furthermore, the final products are subjected to ISI testing process that ensures the flawlessness of our range. Hence, our products are delivered with the assurance of international quality standards. We deals various brand like Water Man and Varun.

These high quality products are manufactured using Extrusion, Lathe, Cutting and various other machines, installed at our infrastructure. Due to the premium quality products and valuable company policies, we have received membership from Rajkot Plastic Association. Apart from this, various easy payment modes such as cash, cheque and online are offered to our clients that make the transaction process easier for them. Additionally, the customization facility and timely delivery of the products at the clients end have enabled us to win their utmost trust. We also engaged in exporting our products to African and Gulf Countries.

Under the supervision of our mentor, 'Mr. Naimish Patel / Mr. Amit Patel', we have been able to achieve immense success in the market. His vast market & product knowledge, foresightedness and efficient leadership have provided us an unique position in this industry.

# HDPE PIPES & COILS

IS: 4984-1995 & IS: 14333-1996

HDPE pipes are manufactured from High Density Poly Ethylene Polymers i.e. PE-63, PE-80, PE-100. HDPE Pipes are available in sizes 20mm to 315mm outer diameter and in pressure rating ranging from PN 2.5 to PN 16.0.

## Applications

- Water Supply Systems
- In Water supply distribution systems
- As a replacement of G.I. Pipes in Borewell Application to submersible pumps.
- For suction and delivery lines of jet pumps and centrifugal pumps.
- Domestic Gas Distributions is perfectly possible.

## Industrial applications

- Disposal of corrosive effluents chemicals and treated / untreated wastes.
- Acids and Alkalies can be transported through these pipes.
- For conveying edible oils, fruit pulps, juices, milk and other food product
- As ducts for Air Conditioning and ventilation.
- For Transporting slurries of Iron Ore, FlyAsh etc.
- Under Water (Submarine pipe lines) pipe lines is feasible.

## Environmental Protection

- HDPE Pipes are also used for Industrial waste treatment plants and water treatment plants.
- For disposal of sand slurry in dredging operations.
- For drainage of sewerage.

## ADVANTAGES

- Low Specific weight and flexibility
- Perfect weld ability, tough and strong
- Abrasion and wear resistant
- Good Chemical and weathering resistance
- Low co-efficient of Friction



"VARUN" PIPES ARE AVAILABLE  
IN FOLLOWING STANDARDS

STANDARD	APPLICATION
<b>BIS:4984</b>	PE pipes for water supply
<b>BIS:14333</b>	PE pipes sewerage including industrial effluents
<b>BIS:14151(Part-2)</b>	Coupled sprinkler pipes for irrigation application
<b>BIS:4985</b>	uPVC pipes for water supply available in plain ended & socketed pipe for solvent cement jointing and socket ended with elastomeric sealing ring
<b>BIS:13487</b>	Emitters for drip irrigation systems
<b>BIS:12786</b>	Lateral pipes for mini sprinkler systems
<b>BIS:13488</b>	Emitting pipes for drip irrigation system

## Recommendations

Depth of The Bore	Pressure Class
Up to 55 meters	4.0 kg/cm <sup>2</sup>
Up to 90 meters	6.0 kg/cm <sup>2</sup>
Up to 140 meters	10.0 kg/cm <sup>2</sup>
Up to 170 meters	12.5 kg/cm <sup>2</sup>



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