

Since : 1986



**DOLPHIN**

H.D.P.E. PIPE  
SPRINKLER PIPE

Water flows @ every Technological Sky



**DOLPHIN GROUP**

**H.D.P.E.**  
**High Density Polyethylene**



**DOLPHIN**

**Water flows @ every Technological Sky**



## About us....



The leading Dolphin Group, Rajkot is a very famous brand in Indian plastic industry. The Company initiated on small scale venture and piped success, in the year 1986 and touches the sky of the fame in couple of years. It looks that we produce the pipes, but basically we pipelined the success for our millions of clients. Dolphin believes in the rhythm of quality, either a big fish or a company. We know and care for the constant pleasure of our clients. We consider them as a virtual partner of our company. They always inspire us for new horizon. We maintain their happiness by strict quality supervision and high-tech managerial skill. The Dolphin Group Manufactures & Markets a wide range of pipes. The Dolphin Group is a Conglomerate of Many Manufacturing house in India. The Director of the company enjoys a rich experience of 25 year in the field of producing reprocess plastic granules including HDPE pipe, irrigation pipe, sprinkler pipe, sprinkler fittings and plastic extrusion process. Being a leading manufacturer and supplier of various plastic Items, fully skilled staff under the guidance of dedicated and visionary managers makes Dolphin a leader in the market. The company is also having an ISO 9001 : 2008 Certification system for the competitive up gradation of production, quality and management. The Company is approved by the Bureau of Indian Standards.

### Infrastructure ( Metoda Plant )

We possess sound infrastructure, equipped with advanced manufacturing unit spread over a total area of 50,000 sq. feet. With a plant capacity of 4000 metric tons per annum. Availability of the latest machinery like pipe plants assists us in producing high quality products for our esteemed clients.

## Network

Strong & widespread network to ensure timely delivery to clients. We adhere to strict time schedules, which in turn has rendered us great customer satisfaction and appraisal.

## Vision

- To maintain LEADERSHIP POSITION in through excellence and Innovation.
- We feel happy to serve OUR WORLD CLASS PRODUCT RANGE AND SERVICES in area of business through latest technologies and continuous involvement.
- To continuously creation for newer opportunities & more better & never products.
- Grow immensely to establish global presence.

## Products Range

- HDPE Pipe
- Sprinkler Irrigation Pipe
- Sprinkler Irrigation Fittings



Industrial



Swimmingpool



Garden



Apartment



Agriculture



## Quality Policy...

IS : 4984



CM/L : 7305764

IS : 14151(Part-I)



CM/L : 7418777

IS : 14151(Part-II)



CM/L : 7418878

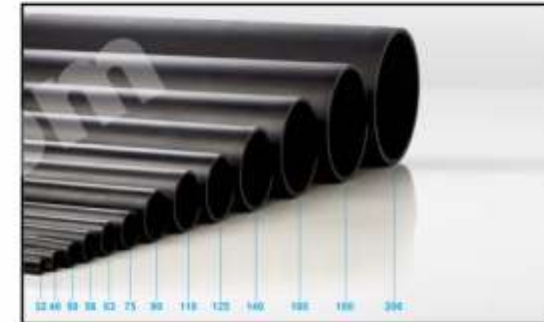


ISO 9001 : 2008 Company

### Quality Assurance Policy

DOLPHIN Group of Company is promises the customer satisfaction by delivering goods that are tested on various parameters like Inside Dimensions, Outside Dimensions, wall thickness, Impact Test, Pressure Test, Leak Proof Test, Durability, Weather Resistance, Colour etc. This helps us in rendering high grade products to the user's end. We serve the best quality to the customers. Company owns machines with hightech German technology and laboratory with well equipped instruments and experienced technical staff. We also offer customized packaging, good quality with good services in superior performance and continues involvement in our respected and valuable customer of our brand DOLPHIN of our products.





## Specification

- Materials : High Density Polyethylene Polymers Materials.
- Product Range : Available in Size 20mm to 200mm Outer diameter in various materials (1) PE-63 (2) PE-80 (3) PE-100
- Pressure Class : Available in multiple choice of Class Rating from 2.5, 4, 6, 8, 10, 12.5 & 16 kg/cm<sup>2</sup>
- Colour : Black Colour
- Length : Available in Standard length 50, 100, 200, 500 and 1000 meter coils Depending on the pipes dimensions. Or Large diameter in fixed length of 6 Meter as per customer requirements Depending the pipes dimensions.



## Application

(HDPE Pipe is best suited replacement of G.I. Pipe)



## Features

- Light in weight and high tensile strength.
- Resistance to Corrosion, abrasion & UV radiation.
- Smooth internal surface finish which have low friction which save energy.
- Have no effect of weather conditions.
- Strong and long lasting. , Up to 50 years durability
- Installed in bore wells without joints.
- Hard and unbreakable
- Low thermal and electrical conductivity.
- Non-toxic
- Perfect weld ability
- Safe for lying under water, under soil, under coastal salt marshes.
- Can be butt welded at site in minutes making joints very strong.
- Safe for portable water as raw material comes with a food grade certificate.





## Application

- Drinking Water Supply.
- Lifting of water for agriculture Irrigation or farm house purpose.
- Obtain Water through pumps, bore wells using jets and submersible pumps show better Performance in tube well boring.
- Industrial disposal of chemical effluent and waste.
- Sewerage and drainage systems.
- Transportation of aggressive fluids chemicals and acid.
- Water supply mains and distribution lines.
- Domestic plumbing and floor heating pipe lines.
- Centrally heated hot water pipeline in building, hotels, swimming pools.
- Telecommunication cable ducting.
- Air Conditioning ducting.
- Portable Water supply in urban area as well as rural area.
- Gases like natural gas, liquefied gas and fermentation Gas and oil distribution Supplying lines.
- Cooling water pipe lines like thermal power equipment.
- Used for transportation studies of iron, Fly Ash etc.



## Application

(HDPE Pipe is best suited replacement of G.I. Pipe)



### WELD AND JOINT METHODS

#### Welding

HDPE pipe can be joined by mechanical & butt fusion methods. In butt fusion, the strength of the joint is stronger than the pipe itself & the welding is homogenous. It can be flanged, tapped, reduced like other piping materials.

#### Joining

Polyethylene pipe is normally joined by heat fusion. Butt, socket, create a joint that is as strong or stronger than the pipe itself, and is virtually leak free. This unique joining method produces significant cost reductions compared to other materials.



### SPRAY PIPE

DOLPHIN Spray Pipes are manufactured from virgin high performance plastic material, are UV Resistant, flexible and light weight. They have excellent resistance to pesticides and other chemical containing acid, alkalies, salts etc. & are used for spraying Agri & Horticultural Plants.

#### Range :

Available in ID 8, 10 mm & OD 14, 16, 20, 25 mm in Blue Colour with one Yellow Strip & pressure ratings are 10 to 18 kg/cm<sup>2</sup>. Available in length from 100 to 1000 meter roll.





# H.D.P.E. PIPE

Dimension & Wall Thickness of HDPE Pipe

PE - 63

Out Side (mm)	Pipe Wall Thickness in mm and Weight in gm. per meter																							
	PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16					
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
20	-	-	-	-	-	-	-	-	-	-	-	-	2.30	2.80	2.55	2.70	3.30	3.00	3.40	4.00	3.70			
25	-	-	-	-	-	-	-	-	-	2.30	2.80	2.55	2.80	3.30	3.05	3.40	4.00	3.70	4.20	4.90	4.55			
32	-	-	-	-	-	-	2.30	2.80	2.55	3.00	3.50	3.25	3.60	4.20	3.90	4.40	5.10	4.75	5.40	6.20	5.80			
40	-	-	-	2.00	2.40	2.20	2.80	3.30	3.05	3.70	4.30	4.00	4.50	5.20	4.85	5.50	6.30	5.90	6.70	7.60	7.15			
50	-	-	-	2.40	2.90	2.65	3.50	4.10	3.80	4.60	5.30	4.95	5.60	6.40	6.00	6.80	7.70	7.25	8.40	9.50	8.95			
63	2.00	2.40	2.20	3.00	3.50	3.25	4.40	5.10	4.75	5.80	6.60	6.20	7.00	7.90	7.45	8.60	9.70	9.15	10.50	11.80	11.15			
75	2.30	2.80	2.55	3.60	4.20	3.90	5.30	6.10	5.70	6.90	7.80	7.35	8.40	9.50	8.95	10.20	11.50	10.85	12.50	14.00	13.25			
90	2.80	3.30	3.05	4.30	5.00	4.65	6.30	7.20	6.75	8.20	9.30	8.75	10.00	11.20	10.60	12.20	13.70	12.95	15.00	16.75	15.85			
110	3.40	4.00	3.70	5.30	6.10	5.70	7.70	8.70	8.20	10.00	11.20	10.60	12.30	13.80	13.05	14.90	16.60	15.75	18.40	20.40	19.40			
125	3.80	4.40	4.10	6.00	6.80	6.40	8.80	9.90	9.35	11.40	12.80	12.10	13.90	15.50	14.70	16.90	18.80	17.85	20.90	23.20	22.05			
140	4.30	5.00	4.65	6.70	7.60	7.15	9.80	11.00	10.40	12.80	14.30	13.55	15.60	17.40	16.50	19.00	21.10	20.05	23.40	26.00	24.70			
160	4.90	5.60	5.25	7.70	8.70	8.20	11.20	12.60	11.90	14.60	16.30	15.45	17.80	19.80	18.80	21.70	24.10	22.90	26.70	29.60	28.15			
180	5.50	6.30	5.90	8.60	9.70	9.15	12.60	14.10	13.35	16.40	18.30	17.35	20.00	22.20	21.10	24.40	27.10	25.75	30.00	33.20	31.60			
200	6.10	7.00	6.55	9.60	10.80	10.20	14.00	15.60	14.80	18.20	20.30	19.25	22.30	24.20	23.25	27.10	30.10	28.80	33.40	37.00	35.20			

Running Wall Thickness of PE-63



Dimension & Wall Thickness of HDPE Pipe

PE - 80

Out Side (mm)	Pipe Wall Thickness in mm and Weight in gm. per meter																							
	PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16					
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	2.80	2.55	2.80	3.30	3.05	3.50	4.10	3.80
32	-	-	-	-	-	-	-	-	-	-	-	-	2.40	2.90	2.65	3.00	3.50	3.25	3.60	4.20	3.90	4.50	5.20	4.85
40	-	-	-	-	-	-	2.30	2.80	2.55	3.00	3.50	3.25	3.70	4.30	4.00	4.50	5.20	4.85	5.60	6.40	6.00			
50	-	-	-	2.30	2.80	2.55	2.90	3.40	3.15	3.80	4.40	4.10	4.60	5.30	4.95	5.60	6.40	6.00	6.90	7.80	7.35			
63	-	-	-	2.50	3.00	2.75	3.60	4.20	3.90	4.70	5.40	5.05	5.80	6.60	6.20	7.00	7.90	7.45	8.70	9.80	9.25			
75	-	-	-	2.90	3.40	3.15	4.30	5.00	4.65	5.60	6.40	6.00	6.90	7.80	7.35	8.40	9.50	8.95	10.40	11.70	11.05			
90	2.30	2.80	2.55	3.50	4.10	3.80	5.10	5.90	5.50	6.70	7.60	7.15	8.20	9.30	8.75	10.00	11.20	10.60	12.50	14.00	13.25			
110	2.70	3.20	2.95	4.30	5.00	4.65	6.30	7.20	6.75	8.20	9.30	8.75	10.00	11.20	10.60	12.30	13.80	13.05	15.20	17.00	16.10			
125	3.10	3.70	3.40	4.90	5.60	5.25	7.10	8.10	7.60	9.30	10.50	9.90	11.40	12.80	12.10	13.90	15.50	14.70	17.30	19.30	18.30			
140	3.50	4.10	3.80	5.40	6.20	5.80	8.00	9.00	8.50	10.40	11.70	11.05	12.80	14.30	13.55	15.60	17.40	16.50	19.40	21.60	20.50			
160	4.00	4.60	4.30	6.20	7.10	6.65	9.10	10.30	9.70	11.90	13.30	12.60	14.60	16.30	15.45	17.80	19.80	18.80	22.10	24.60	23.25			
180	4.40	5.10	4.75	7.00	7.90	7.45	10.20	11.50	10.85	13.40	15.00	14.20	16.40	18.30	17.35	20.00	22.20	21.10	24.90	27.60	26.25			
200	4.90	5.60	5.25	7.70	8.70	8.20	11.40	12.80	12.10	14.90	16.60	15.75	18.20	20.30	19.25	22.30	24.80	23.25	27.80	30.60	29.10			

Running Wall Thickness of PE-80





## Application

(HDPE Pipe is best suited replacement of G.I. Pipe)

### Dimension & Wall Thickness of HDPE Pipe

PE - 100

Out Side (mm)	Pipe Wall Thickness in mm and Weight in gm. per meter																				
	PN 2.5			PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	2.80	2.55
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	2.80	2.55	2.90	3.40	3.15
32	-	-	-	-	-	-	-	-	-	-	-	-	2.40	2.90	2.65	2.90	3.40	3.15	3.70	4.30	4.00
40	-	-	-	-	-	-	-	-	-	2.40	2.90	2.65	3.00	3.50	3.25	3.70	4.30	4.00	4.60	5.30	4.95
50	-	-	-	-	-	-	2.30	2.80	2.55	3.00	3.50	3.25	3.70	4.30	4.00	4.60	5.30	4.95	5.70	6.50	6.10
63	-	-	-	-	-	-	2.90	3.40	3.15	3.80	4.40	4.10	4.70	5.40	5.05	5.70	6.50	6.10	7.10	8.10	7.60
75	-	-	-	-	-	-	3.50	4.10	3.80	4.50	5.20	4.85	5.60	6.40	6.00	6.80	7.70	7.25	8.50	9.60	9.05
90	-	-	-	-	-	-	4.10	4.80	4.45	5.40	6.20	5.80	6.70	7.60	7.15	8.20	9.30	8.75	10.20	11.50	10.85
110	-	-	-	-	-	-	5.00	5.70	5.35	6.60	7.50	7.05	8.10	9.20	8.65	10.00	11.23	10.60	12.40	13.90	13.15
125	-	-	-	-	-	-	5.70	6.50	6.10	7.50	8.50	8.00	9.20	10.40	9.80	11.30	12.70	12.00	14.10	15.80	14.95
140	-	-	-	-	-	-	6.40	7.30	6.85	8.40	9.50	8.95	10.30	11.60	10.95	12.70	14.20	13.45	15.80	17.60	16.70
160	-	-	-	-	-	-	7.30	8.30	7.80	9.60	10.80	10.20	11.80	13.20	12.50	14.50	16.20	15.35	18.10	20.20	19.15
180	-	-	-	-	-	-	8.20	9.30	8.75	10.80	12.10	11.45	13.30	14.90	14.10	16.30	18.20	17.25	20.30	22.60	21.45
200	-	-	-	-	-	-	9.10	10.30	9.70	12.00	13.40	12.70	14.80	16.50	15.65	18.10	20.20	19.15	22.60	25.10	23.85

### Running Wall Thickness of PE-100



### Easy Flow HDPE Pipe

Dolphin Poly Plast Pvt. Ltd. introduced the most innovative HDPE pipe product Dolphin Easy Flow with a special white inner coating layer of polymeric lubricated material offering advantages of:

- Higher flow and low power consumption.
- Free from rust and ultra violet radiation.
- Coils as well as Sprinkler pipes in the range of 20 mm to 110 mm.
- Leak-Free.
- Energy Efficient.
- Easy flow can suited replacement of PLB Duct pipe.



# SPRINKLER PIPE



## Specification

Materials	: High Density Polyethylene Polymers Materials i.e. PE-63, PE-80, PE-100 Grade.
Product Range	: Available in Size 63mm to 110mm Outer diameter.
Pressure Class	: Available in multiple choice of Working Pressure 0.25 Mpa or 0.32 Mpa.
Colour	: Black Colour
Length	: Available in Standard length of 6 Meter with male and female Coupler.



# SPRINKLER PIPE



## Applications

- Suitable for Residential farm house, Industrial farm house, Hotel farm house, Resorts farm house, Public & Government Enterprises farm house, Golf Links, Race courses.
- Sprinkler System is suitable for almost all field crops like Agricultural Crops Sugarcane, Chili, Cotton, Groundnut, Sorghum, Tobacco, Soya bean, Maize, Tea, Coffee, Rice, Sunflower, Musk, Melon, wheat, Gram, Pulses, as well as Vegetables, and other fodder crops.
- Medicinal Crops & Bio-Organic Crop.



## Features

- Sprinkler System is easy to install anywhere at very low & economic cost.
- Sprinkler System has less use of water infect save water up to 30% to 40%.
- Sprinkler System is the most scientific system that provides economy and better efficiency.
- Sprinkler System is transferable in less time due to its light weight. • More economical.
- Portable & light weight. • Flexible & tough. • Corrosion resistant. • Chemically inert.
- Conserve fuel & energy. • Easy handling & quick installation. • Strong & durable.
- Low labour & transport cost. • Protection from ultra violet sun rays. • Saves Water.
- Increase in Yield







Water flows @ every Technological Sky



**DOLPHIN POLY PLAST PVT. LTD.**

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