



AN ISO: 9001-2008 Company



A House
of
Piping Solutions

Mohit

Mohit

Mohit

MOHIT POLYTECH PVT. LTD



Corporate Profile

Mohit Polytech Pvt. Ltd., Success has always been flowing in our pipelines!!

Mohit Polytech Pvt. Ltd., success has always been flowing in our pipelines!

Mohit Polytech Pvt. Ltd. is a Flagship group established in 2002 by the people who master all the intricate techniques and subtle nuances of their business having an outstanding experience of more than 13 years to their credit in dealing with plastic and related materials. Hence they know every minute detail of the product.

Under the guidance of our founder Sharvan kumar and dynamic & exceptionally impeccable leadership of Hemraj Sharma the Chairman and , the Managing Director, has made. Mohit Polytech Pvt. Ltd. A brand leader company in the cosmic market. Company has now emerged as a market leader in manufacturing of high grade HDPE, MDPE, LLDPE, PLB, uPVC and PPR pipes, under the registered brand , customer's faith and confidence is a testimony for them to prove their company's steadfast nature and reliable quality of products . The company produces a stupendous product range in the field of HDPE sprinkler, drip irrigation, micro irrigation, telecommunications duct etc.

Mohit is licensed by bureau of Indian standard to mark ISI & ISO Certifications on different range of products having different licence number. Moreover, is an ISO: 9001-2008 certified organization with a standing of total commitment towards satisfying their customers with best quality products.

Mohit through its vision of learning and constant innovation, has become a premier name in the industrial, agricultural, infrastructure, domestic and telecommunication fields.

Mohit Manufactured in state-of-the-art- plant at Jaipur in india, with the latest manufacturing technology and under strict quality control, brand product have made their marks in various applications, be it water supply, gas and petrol transport, sewage disposal or cable ducting.

For Mohit, a satisfied customer is the mark of it's success.



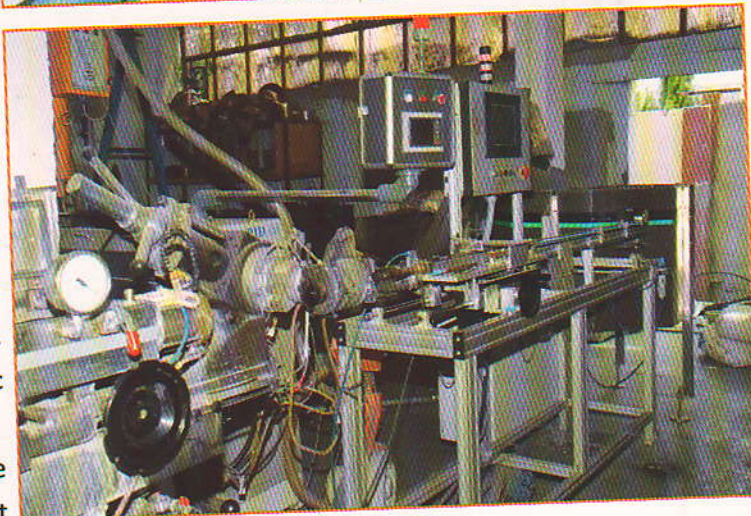
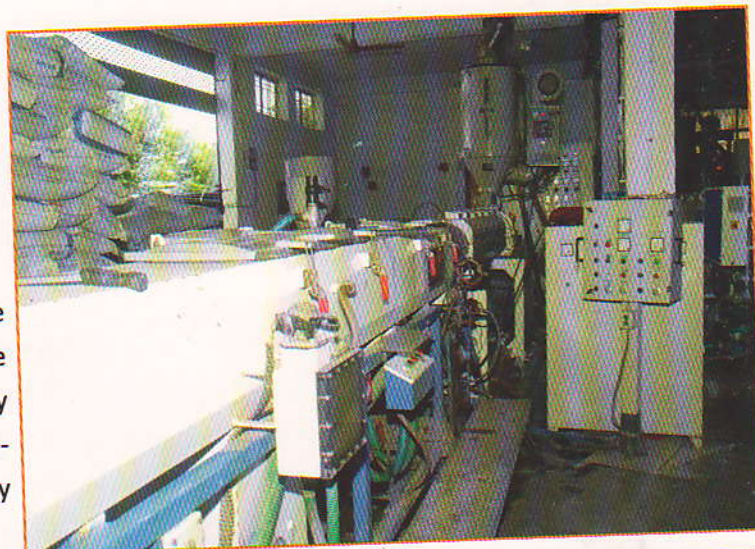


Infrastructure

Under one Roof, Mohit has to its account the production of a huge range of products starting from tie pipelines to all the extensive accessories aiding their products. May it be the fitting, tools or any smallest possible accessory... you think, it, they make it!! Their high-tech work-aren is beautified with the most sophisticated machinery from the brands like Windsor in collaboration with bettenfield.

Indegenious production procedure is equipped with generous quality control measures. The in-house testing services employ several dexterous operators and engineers for the quality control and for that matter Mohit has well equipped laboratory too. Here the quality control cell puts supreme quality check at three stages- raw material, online production, and flawlessness. . with a huge storage space for raw material as well as finished products, Mohit occupies a handsome industrial space at a posh area Bindayaka in Jaipur, India. research and development cell helps us quality for both domestic and international market's expectations.

With a perfect hold on the business and the market, and the impressive infrastructures they offer their customers the most competitive prices and quality.



The quality policy

We are committed to design and manufacture product with unmatched performance and quality that exceeds the industry standards. To invest in the technology that would help us to create better products. To provide better solutions for upgrading the water management system.

Research & Development

Research & Development is a key focus area at Mohit We understand that in order to be amongst the prominent players in the industry our R & D facilities should need to be updated regularly.

We have acquired expertise of developing all types of pipes & fittings as per the needs and wants of our customers.

And we undertakethese customized jobs as and when we are asked to deliver.

This has given us a definite edge in the market.W





PLB HDPE DUCTS

BSNL GR- GR/CDS-08/02 Nov.2004

CONSTRUCTION: Mohit Polytech Pvt. Ltd. Permanently Lubricated HDPE Ducts are formed by co extrusion technique and are used for laying Optical Fiber Cables as under ground ducting / conduits.

MATERIAL: The base raw material being used for the manufacturing Permanently Lubricated Ducts is High Density Poly Ethylene. The grade of raw material is ultra violet grade and is confirming to IS:7328-1992 & IS : 2523 or ISO : 1183 & ISO : 1133 and is designated as PEELA-50T-012 (CACT Approved) and inner layer permanently lubricated material DOW CORNING grade-50MB002.

APPLICATIONS: Telecommunication, Computer Network, Automatic Signaling, Railways Information Network. Highways, Cable Service Providers, Broad Band networks, Electric cable installation etc.

ADVANTAGES:

- Reduction of stress on cable during installation.
- Installation of Longer lengths made feasible.
- Negotiations of cable movement through bends and deflections are easier.
- Reduction of number of joints and minimizes number of splices.
- Faster and easy installation of cable with lesser man power.
- Reduction of overall cost of installation, maintenance and future upgrades.
- Retains it's properties throughout it's life
- Existing cables can be deployed after de-blowing from the duct.
- This does not have toxic and dermatic hazards and is safe handling.

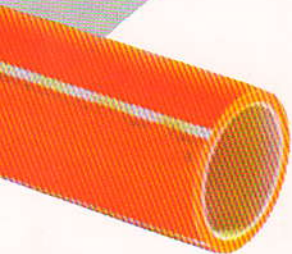
DIMENSIONS: (DOT & ISO) All sizes in mm

S.No	Duct Size	Outer Dia	Ovality (Max)	Wall Thickness	Standard Length
1	32/26	32 ±0.3	1.3	3.0 ± 0.2	500/1000 Mtrs.
2	40/33	40 ±0.4	1.4	3.5 ± 0.2	500/1000 Mtrs.
3	50/42	50 ±0.5	1.4	4.0 ± 0.3	500/1000 Mtrs.
4	63/50	63 ±0.6	1.5	6.5 ± 0.4	6/12/50/500 Mtrs
5	110/96	110 ±1.0	2.2	6.3 ± 1.0	6/12/50/100 Mtrs.

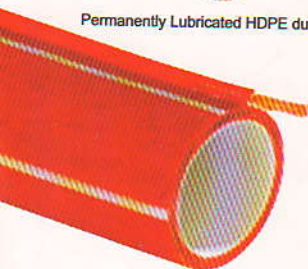
Mohit

Mohit

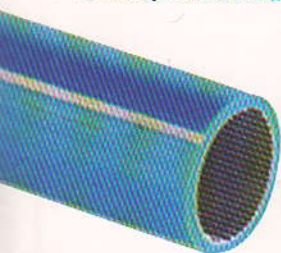
Mohit



Permanently Lubricated HDPE duct



Permanently Lubricated Tracer HDPE duct



Permanently Lubricated ribbed HDPE duct



Permanently Lubricated HDPE duct with pre-installed rope



Permanently Lubricated Black HDPE Electric Conduits



Permanently Lubricated HDPE duct with pre-installed cable

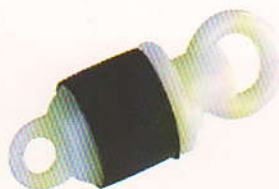
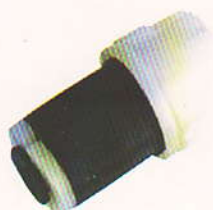
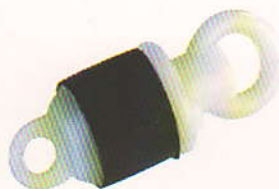
PROPERTIES:

S. No.	Test Description	Test Method	Test Requirement
1	Dimension (a) Outside diameter (b) Ovality (c) Wall thickness	TEC/GR/TX/CDS-008/03/Mar-11	As per Table
2	Visual inspection	TEC/GR/TX/CDS-008/03/Mar-11	As per Specifications
3	Density at 23°C GMS/CC	IS : 7328, IS :2530	0.940-0.958
4	Melt Flow Index at 190°C	IS : 2530	0.2 to 1.1
5	Tensile Strength at yield	IS : 14151-Part-1 as TMD 638	Min 20N/mm ²
6	Elongation at break	IS : 14151-Part-1 as TMD 638	Min 500%
7	co-efficient of friction	Annexure II TEC/GR/TX/CDS-008/03/Mar-11	<0.06
8	Impact strength	IS : 12235 (Pt.-9)	No Split or crack
9	Oxidation Induction time	Annexure I TEC/GR/TX/CDS-008/03/Mar-11	> 30 Minutes
10	Environmental Stress & Crack resistance	ASTMD-1693	No Split or Crack
11	Reversion	IS : 4984	Difference < 3 %
12	Internal Hydrostatic Pressure creep rupture	IS : 4984 & ISO : 1167	Passes the test

All above mentioned test on PLB HDPE DUCTS are conducted in -house as per DOT specification No. GR/CDS-08/02 Nov.2004 and ISO : 3126

Associated Accessories & Tools :

1. Plastic Coupler : To join two duct lengths - air tight and water tight.
2. End Plug : To seal duct ends prior to the installation of the cable.
3. Cable Sealing Plug : To seal duct ends after insertion of the cable.
4. End Cap : Made of hard rubber, fitted on both ends of duct coil after manufacturing.
5. Duct Cutter : To cut duct cleanly and with square ends.
6. C Spanner : To tighten plastic coupler.





HDPE Pipes & Coils

IS : 4984-1995 & IS : 14333-1996

MATERIALS :

It is made of either of three grades of High Density Poly Ethylene polymers. i.e PE-63, PE-80 or PE-100

PRODUCT RANGE:

These HDPE pipes are available in sizes 20 mm to 315 mm in pressure rating of PN-2.5, PN-4.0, PN-6.0, PN-8.0, PN-10.0, PN-12.5 & PN-16.0 in all three grades PE-63, PE-80 and PE-100.

APPLICATIONS:

Effluent and Waste Water Disposal : Effluents of varied chemical compositions can be effectively disposed of using Mohit HDPE pipes & coils, with the aid of the latest know-how on piping engineering, pipelines for waste collection and disposal in chemical industry. Longevity of Mohit pipes under such application would rate the best amongst the conventional pipe even under critical service conditions.

Domestic Gas Distributions : Earlier, engineers always carried a psychological fear in using HDPE pipes rather plastic pipes for conveyance of inflammable gases. However experiments and extensive trials proved these fears totally wrong and have established excellence of performance of HDPE pipes for conveyance of all type of combustible gases. Experiments have also proved that the permeable losses are insignificant in regard to safety and environmental impact

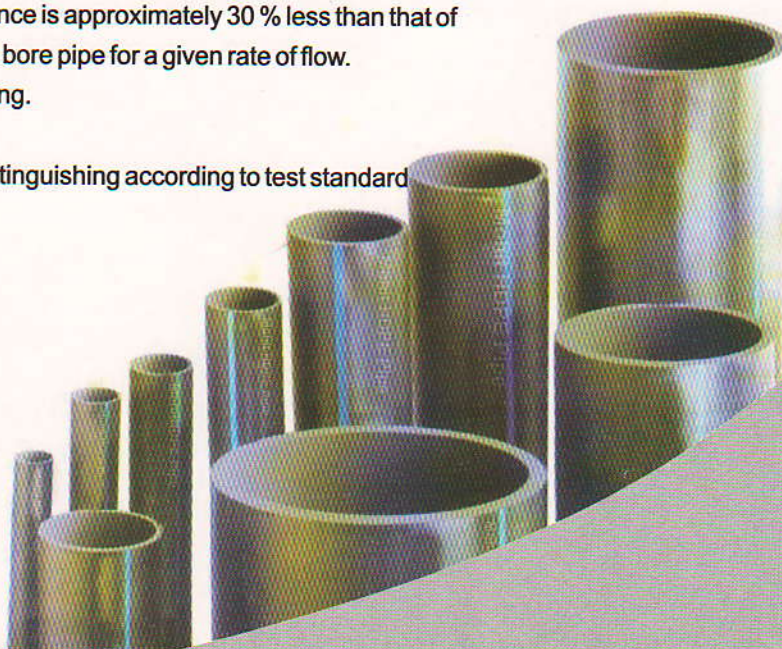
Submarine Pipelines : One of the most important applications where all salient features of Mohit pipes prominently figure out is for under water pipelines. Mohit pipes have been successfully laid for under water river crossing, creek crossing, marine out-falls and for brine intake lines in the open sea. Hazardous chemical effluents and radio active wastes are being harmlessly disposed into deep sea through Mohit pipes with substantial cost savings. Schemes which would have been dropped due to economical un-viability have been made feasible with Mohit pipes.

PROPERTIES

- Economical than traditional pipe material.
- Resistance to chemicals- Exceptional resistance to all external and internal corrosion.
- Resistant to electrolytic corrosion.
- Will not rust or rot.
- Welded joints speedup installation- Trench widths reduced which leads to saving in the cost of excavation and back filling.
- Light weight - One sixth of the weight of steel. Low specific gravity giving an outstanding light weight product for easy transportation, handling, fitting etc.
- Very good thermal insulation due to low thermal conductivity.
- Smooth bore provided less head loss. Flow resistance is approximately 30 % less than that of conventional pipes, permitting the use of a smaller bore pipe for a given rate of flow.
- Perfect stability of material obviates the risk of ageing.
- Total neutrality to products conveyed.
- Flame resistance classifying the material as self extinguishing according to test standard employed.
- Low maintenance cost.
- Easy to install.
- Longer life than G.I, M.S, cement and other pipes.

RECOMMENDATIONS:

Depth of the bore	Pressure Class
Up to 55 Mtrs	4.0 kg/cm ²
Up to 90 Mtrs	6.0 kg/cm ²
Up to 140 Mtrs	10.0 kg/cm ²
Up to 170 Mtrs	12.5 kg/cm ²





Wall Thickness of pipes (PE-63) for pressure ratings of IS : 4984

Dia DN	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	-	-	-	-	-	-	-	-	2.3	2.8	2.8	3.3	3.4	4.0
25	-	-	-	-	-	-	2.3	2.8	2.8	3.3	3.4	4.0	4.2	4.9
32	-	-	-	-	2.3	2.8	3.0	3.5	3.6	4.2	4.4	5.1	5.4	6.2
40	-	-	2.0	2.4	2.8	3.3	3.7	4.3	4.5	5.2	5.5	6.3	6.7	7.6
50	-	-	2.4	2.9	3.5	4.1	4.6	5.3	5.6	6.4	6.8	7.7	8.4	9.5
63	2.0	2.4	3.0	3.5	4.4	5.1	5.8	6.6	7.0	7.9	8.6	9.7	10.5	11.8
75	2.3	2.8	3.6	4.2	5.3	6.1	6.9	7.8	8.4	9.5	10.2	11.5	12.5	14.0
90	2.8	3.3	4.3	5.0	6.3	7.2	8.2	9.3	10.0	11.2	12.2	13.7	15.0	16.7
110	3.4	4.0	5.3	6.1	7.7	8.7	10.0	11.2	12.3	13.8	14.9	16.6	18.4	20.5
125	3.8	4.4	6.0	6.8	8.8	9.9	11.4	12.8	13.9	15.5	16.9	18.8	20.9	23.2
140	4.3	5.0	6.7	7.8	9.8	11.0	12.8	14.3	15.6	17.4	19.0	21.1	23.4	26.0
160	4.9	5.6	7.7	8.7	11.2	12.6	14.6	16.3	17.8	19.8	21.7	24.1	26.7	29.6
180	5.5	6.3	8.6	9.7	12.6	14.1	16.4	18.3	20.0	22.2	24.4	27.1	30.0	33.2
200	6.1	7.0	9.6	10.8	14.0	15.6	18.2	20.3	22.3	24.8	27.1	30.1	33.4	37.0
225	6.9	7.8	10.8	12.1	15.7	17.5	20.5	22.8	25.0	27.7	30.5	33.8	37.5	41.5
250	7.6	8.6	12.0	13.4	17.5	19.5	22.8	25.3	27.8	30.8	33.8	37.4	41.7	46.1
280	8.5	9.5	13.4	15.0	19.6	21.8	25.5	28.3	31.2	34.6	37.9	41.9	46.7	51.6
315	9.6	10.8	15.0	16.7	22.0	24.1	28.7	31.8	35.0	38.7	42.6	47.1	52.5	58.0

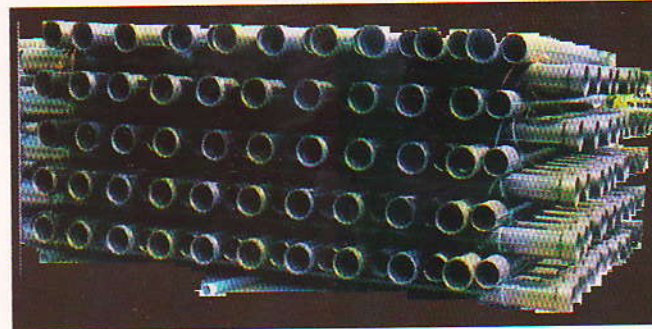
Wall Thickness of pipes (PE-80) for pressure ratings of IS : 4984

DN	PN 2.5		PN 4		PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
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	4.1	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	4.3	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	30.6
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
280	6.9	7.8	10.8	12.1	15.9	17.7	20.8	23.1	25.5	28.3	31.2	34.6	38.7	42.8
315	7.7	8.7	12.2	13.7	17.9	19.9	23.4	26.0	28.7	31.8	35.0	38.7	43.5	48.1



Wall Thickness of pipes (PE-100) for pressure ratings of IS : 4984

Dia DN	PN 6		PN 8		PN 10		PN 12.5		PN 16	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	-	-	-	-	-	-	-	-	2.3	2.8
25	-	-	-	-	-	-	2.3	2.8	2.9	3.4
32	-	-	-	-	2.4	2.9	2.9	3.4	3.7	4.3
40	-	-	2.4	2.9	3.0	3.5	3.7	4.3	4.6	5.3
50	2.3	2.8	3.0	3.5	3.7	4.3	4.6	5.3	5.7	6.5
63	2.9	3.4	3.8	4.4	4.7	5.4	5.7	6.5	7.1	8.8
75	3.5	4.1	4.5	5.2	5.6	6.4	6.8	7.7	8.5	9.6
90	4.1	4.8	5.4	6.2	6.7	7.6	8.2	9.3	10.2	11.5
110	5.0	5.7	6.6	7.5	8.1	9.2	10.0	11.2	12.4	13.9
125	5.7	6.5	7.5	8.5	9.2	10.4	11.3	12.7	14.1	15.8
140	6.4	7.3	8.4	9.5	10.3	11.6	12.7	14.2	15.8	17.6
160	7.3	8.3	9.6	10.8	11.8	13.2	14.5	16.2	18.1	20.2
180	8.2	9.3	10.8	12.1	13.3	14.9	16.3	18.2	20.3	22.6
200	9.1	10.3	12.0	13.4	14.8	16.5	18.1	20.2	22.6	25.8
225	10.3	11.6	13.5	15.1	16.6	18.5	20.4	22.7	25.4	28.2
250	11.4	12.8	15.0	16.7	18.4	20.5	22.6	25.1	28.2	31.3
280	12.8	14.3	16.8	18.7	20.6	22.9	25.3	28.1	31.6	35.0
315	14.4	16.1	18.9	21.0	23.2	25.8	28.5	31.6	35.5	39.3



Wall Thickness of pipes for pressure ratings of IS :14333-1996

Diameter DN	PN 2.5		PN 4		PN 6		PN 10	
	Min	Max	Min	Max	Min	Max	Min	Max
63	2.6	3.0	4.0	4.6	5.8	6.5	9.0	10.1
75	3.0	3.5	4.7	5.4	6.9	7.7	10.8	12.0
90	3.6	4.2	5.7	6.4	8.2	9.2	12.9	14.4
110	4.4	5.1	6.9	7.8	10.0	11.2	15.8	17.5
125	5.0	5.7	7.9	8.8	11.4	12.7	17.9	19.9
140	5.6	6.4	8.8	9.9	12.8	14.2	20.0	22.2
160	6.4	7.3	10.0	11.2	14.6	16.2	22.9	25.4
180	7.2	8.2	11.3	12.6	16.4	18.2	25.8	28.5
200	8.0	9.0	12.5	14.0	18.2	20.2	28.6	31.7
225	9.0	10.1	14.1	15.7	20.5	22.7	32.2	35.6
250	10.0	11.2	15.7	17.4	22.8	25.2	35.8	39.5
280	11.2	12.6	17.5	19.5	25.5	28.2	40.0	44.2
315	12.6	14.1	19.5	21.9	28.7	31.7	45.0	49.7

Properties

M.F.I (190°C, 5 kg load)

Specified base density

Material Grade

Carbon Black

Antioxidant

Tensile Strength (min) (27± 2°C)

Elongation

Reversion

Hydraulic Characteristics

Value

0.41 to 1.1gm/10mins

940.4 to 946.4 Kg/mtr³

PE-63, PE-80, PE-100

(2.5± 0.5%)

<0.5% by mass

19MPa

(Testing speed = 100 mm/min±10%)

>350%

<=3%

No sign of localized swelling
(at 80°C for 165 & 48 hrs.)



HDPE Sprinkler System

IS : 14151-1999 (Part I & Part II)

Agronomists all over the world believe that the sprinkler irrigation system is the best method to get maximum yield at an extremely low cost. Using sprinkler system can irrigate 2 to 3 time more farm land with same quantity of water. The sprinkler system cleans the surface of the plants, which help in easy photosynthesis thus making plants able to produce more. It save from irregularities of the weather.

In winters it saves from freezing of water. In summers it saves evaporation of water up to 40 %.

The Sprinkler effect (like rain)saves water from flowing away and maximum water reaches to the roots of the plants. It spreads water around the farm in equal quantity thus saving plants from bad effects of water clogging and water scarcity. With Sprinkler Irrigation System farming can be done easily on uneven surfaces.

CONSTRUCTION : HDPE High Density Poly Ethylene is the most popular variety of polymers. Mohit sprinkler pipe is made of HDPE plastic material. It is the recommended material for the manufacture of high pressure pipes and is renowned world wide for its reliability. The characteristics that makes it outstanding are its toughness, its resistance to chemical attack and its immunity to weather conditions. This makes it an excellent material to convey water.

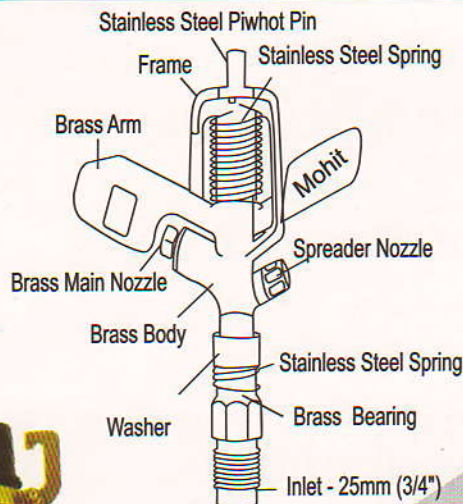
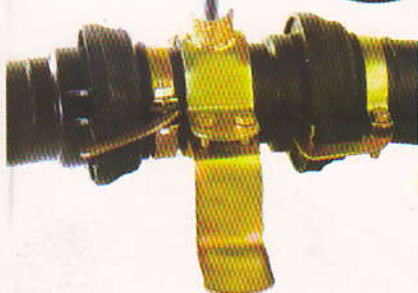
PRODUCT RANGE : Mohit sprinkler pipes are available in 63 mm to 200 mm diameter and pressure rating class I, II, III and Part I and Part II. PN-2.5,PN-3.2, PN-4.0, PN-6.0 with complete range of fittings.

DIMENSION OF POLYETHYLENE PIPES FOR SPRINKLER IRRIGATION (ALL SIZES IN MM)											
Normal Diameter	Outside diameter	Normal Tolerance on outside diameter	Ovality	Wall Thickness							
				Class - 1 (2.5kg/cm ²)		Class - 2 (3.2kg/cm ²)		Class - 3 (4kg/cm ²)		Class - 4 (6kg/cm ²)	
				Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
40	40.0	+0.4	1.4							2.3	2.8
50	50.0	+0.5	1.4					2.0	2.4	2.9	3.4
63	63.0	+0.6	1.5			2.0	2.4	2.5	2.9	3.8	4.4
75	75.0	+0.7	1.6	2.0	2.4	2.5	2.9	3.0	3.4	4.5	5.2
90	90.0	+0.8	7.8	2.2	2.6	2.9	3.4	3.5	4.1	5.3	6.1
110	110.0	+1.0	2.2	2.7	3.2	3.4	3.9	4.2	4.8	6.5	7.4
125	125.0	+1.2	2.5	3.1	3.6	3.8	4.5	4.8	5.5	7.4	8.3
140	140.0	+1.3	2.8	3.5	4.1	4.3	5.0	5.4	6.1	8.3	9.3
160	160.0	+1.5	3.2	3.9	4.5	4.9	5.5	6.2	7.0	9.4	10.2
180	180.0	+1.7	3.6	4.4	5.0	5.5	6.3	6.9	7.8	10.6	11.2
200	200.0	+1.8	4.0	4.9	5.6	6.1	7.0	7.7	8.7	11.3	13.2



ACCESSORIES:

Coupled Bend
Coupled Tee
Pump Connecting Nipple (P.C.N.)
Sprinkler attachment with Foot Button
Ends Caps
Riser Pipe (Sprinkler Nozzle)





MDPE Pipes

ISO: 4427, ISO : 4437 & IS : 14885

Inherent Characteristics of MDPE such as corrosion & crack resistant, tough and flexible makes polyethylene piping systems the most preferred means for transportation and distribution of water, petrol and natural gases world wide.

MATERIAL

The raw material used is medium density poly Ethylene (MDPE). Mohit pipes manufactures pipes in grades PE-80 & PE-100 for gas applications in sizes 20mm to 250 mm(outer diameter) in all pressure ratings. Traditionally these pipes are identified by its color for different uses like blue for water, orange for petrol, and yellow for gas lines.

SPECIFICATIONS :

Mohit manufactures MDPE pipes which confirms to national and international standards as ISO-4437, ISO-4427, IS-14882, BS-7281, DIN-8074/75. Mohit pipes can also be tailor made to meet the specific requirement of individual gas authorities or customers.

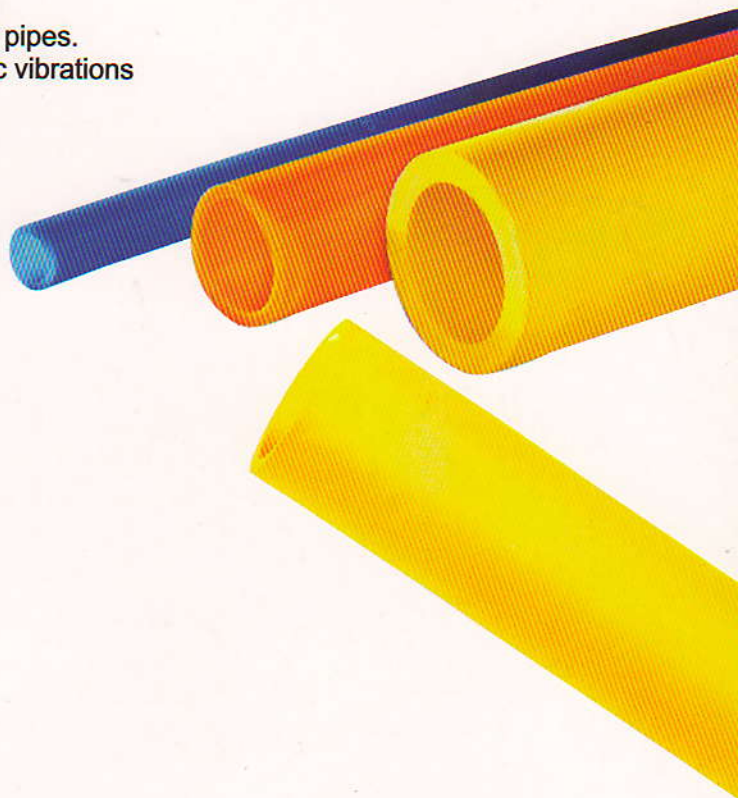
SALIENT FEATURES :

- Flexible : Easy to Handle
- Corrosion Resistant : Tough and highly reliable in aggressive soils.
- Fusion Joints : High integrity and reliability
- Light weight : Lighter in weight as compared to metal pipes.
- Crack Resistant : Excellent resistant to subsidence, traffic vibrations
Point loading and marshy ground.
- Homogenous : Leakage free joints.
- Installation : Low installation cost.

Nominal outer Dia. mm	Minimum Wall Thickness (All sizes in mm)			
	SDR 17.6	SDR 13.6	SDR 11.0	SDR 9.0
16	2.3	2.3	3.0	3.0
20	2.3	2.3	3.0	3.0
25	2.3	2.3	3.0	3.0
32	2.3	2.3	3.0	3.6
40	2.3	3.0	3.7	4.5
50	2.9	3.7	4.6	5.6
63	3.6	4.7	5.8	7.1
75	4.3	5.5	6.8	8.4
90	5.2	6.6	8.2	10.1
110	6.3	8.1	10.0	12.3
125	7.1	9.2	11.4	14.0
140	8.0	10.3	12.7	15.7
160	9.1	11.8	14.6	17.9
180	10.3	13.3	16.4	20.1
200	11.4	14.7	18.2	22.4
225	12.8	16.6	20.5	25.1
250	14.2	18.4	22.7	25.1

Physical & Mechanical properties of MDPE pipes

Characteristics	Units	Requirements	Test Parameters	Test Methods
Conventional Density	kg/m ³	>930 (base polymer)	23°C	ISO-1183, ISO-1872/1
Melt Flow rate	G/10 min.	0.2-1.1	190°C/5kg	ISO-4440/1, IS-2530:1963
Thermal Stability	Min	>20	200°C	ISO/TR-10837
Hydrostatic Strength	h	Failure time > = 100h Failure time > = 165h Failure time > = 1000h	PE-80-9.0MPa-20°C PE-80-4.6MPa-80°C PE-80-4.0MPa-80°C	ISO-1167 ISO-6259/3
Elongation at break	%	>=350		





Micro/Drip Irrigation/ Mini Sprinkler System

IS : 13487 , IS : 13488 & IS : 12786

Mohit Polytech Pvt. Ltd. introduces inline & online emitting pipe system for better irrigation of plants at very low cost and with scarce of water. This product confirms to Indian Standards as per IS:13487, IS:13488 & IS : 12786 This is an integral pipe system (in-built) in which the emitters are inserted in the laterals during the extrusion process at preset distances. Company has also introduced mini sprinkler system for use in vegetable.

SALIENT FEATURES:

- High clog resistant emitter designed with a unique wide turbulent flow path.
- Large surface inlet screen orifice.
- Two orifice outlets placed 180° apart at each dripper end.
- The additional outlet reduces the suction hazard from sand particles when the laterals are drained.
- Easy to roll and unroll during inter cultivating operations, thus reduces chances of mechanical damage without losing drippers.
- Uniform emission rate along the lateral.
- Available in wide range of emitter spacing from 20 to 150 cm as per customer's need.

INSTALLATION :

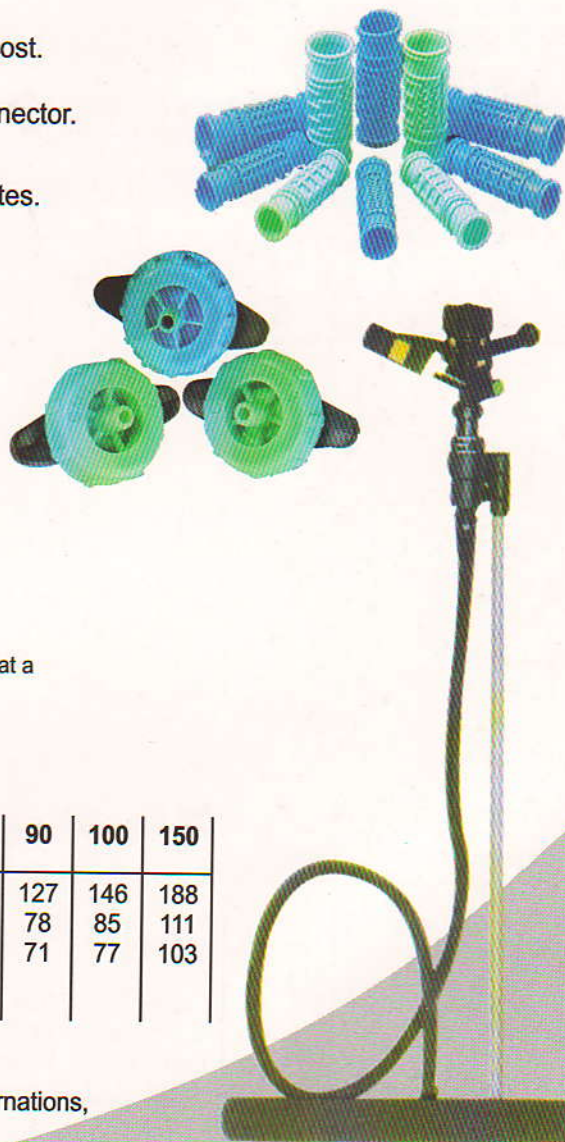
- Quick and easy to install just unroll and lay lateral to reduce time and cost.
- No need of punching the drippers on the lateral.
- Can easily be connected to the PVC / HDPE pipe by means of head connector.

SPECIFICATIONS :

Manufactured in class 1,2,3, pressure ratings with different emission rates.

All dimensions in mm

Outside diameter	Tolerance on Outside Diameter	Class 1 (0.20 Mpa)	Class 2 (0.25 Mpa)	Class 3 (0.40 Mpa)
12	+0.2	0.6-0.8	0.9-1.1	1.2-1.4
16	+0.2	0.8-1.0	1.1-1.3	1.4-1.6
20	+0.2	0.9-1.1	1.2-1.4	1.5-1.7
25	+0.3	1.2-1.6	1.7-2.0	2.1-2.4
32	+0.3	1.5-1.9	2.0-2.4	2.5-2.9



Recommendations : Maximum Recommended drip line length in meters on flat terrain at a pressure of 1 kg/cm² diameter 12 mm & 16 mm.

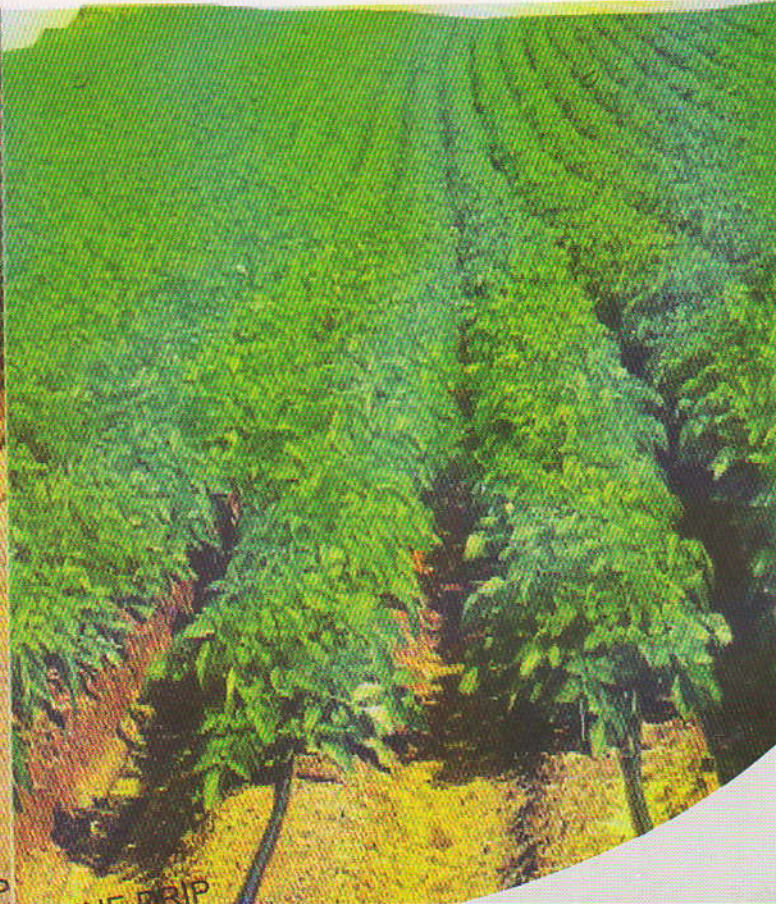
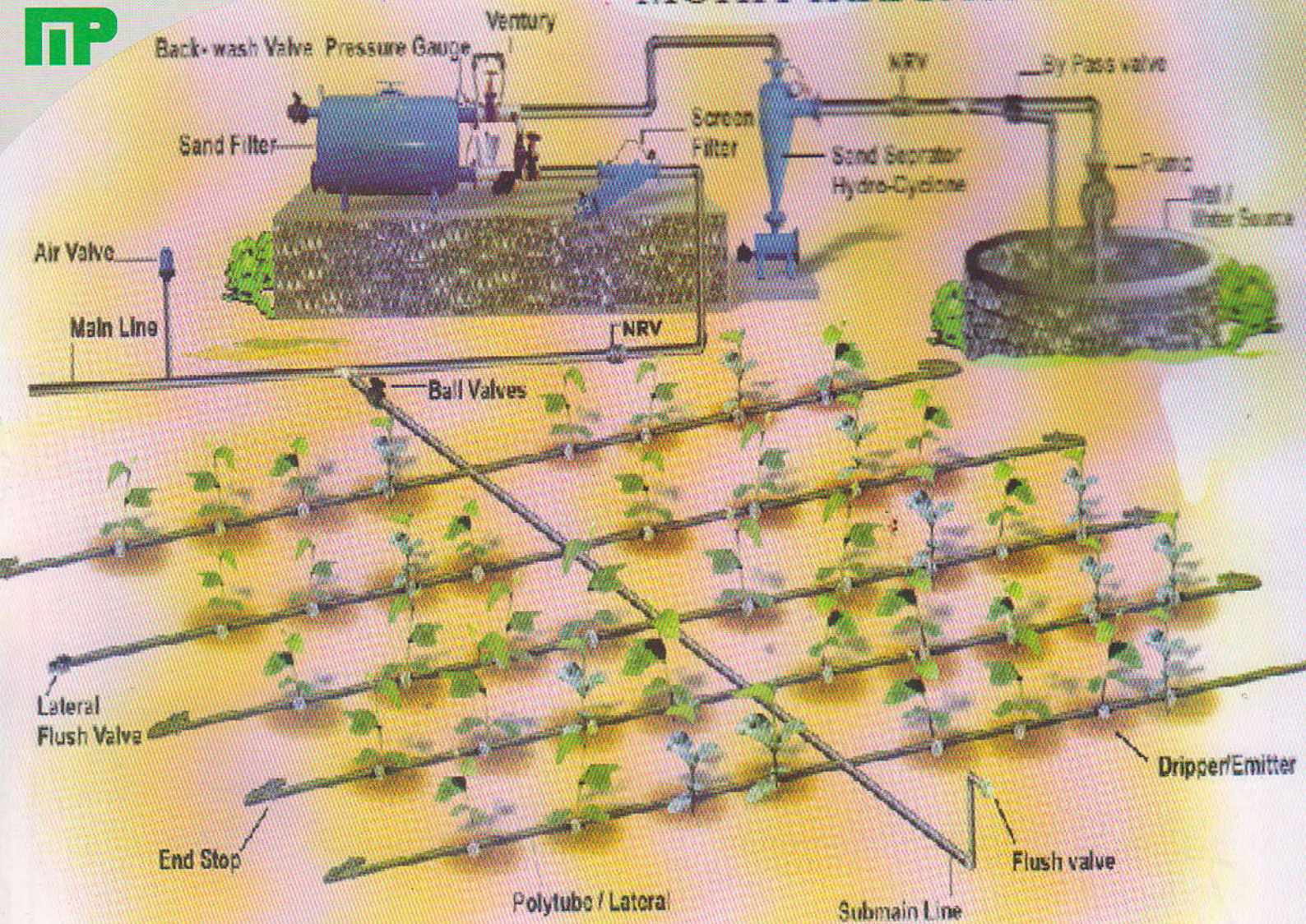
Dripper Spacing (mm)		20	30	40	50	60	75	90	100	150
Maximum Extendable Lateral Length	16mm 2LPH	40	62	72	89	102	116	127	146	188
	16mm 4LPH	25	35	44	52	59	70	78	85	111
	12mm 2LPH	22	31	38	46	53	63	71	77	103

Operating Range : Working Pressure Range : 0.7 kg/cm² to 2.25 kg/cm²

APPLICATION : All Field crops like sugarcane, cotton, strawberry, grapes, carnations, floriculture, banana, pineapple, vegetable, tea gardens, green house etc.



MOHIT IRRIGATION



THE DRIP

THE DRIP

Our Branches

North Office :

85, Heera Nagar A,
Near Chitrakoot,
Ajmer Road, Jaipur

East :

NH-16, Industrial Area,
Gidha (aara) Bihar

West zone :

Maharashtra - Mohit Polytech Pvt. Ltd.
Flat No. 301,A, Venktesh Residency,
Near Anna Saheb Nagar Collage,
Mahadev Nagar, Majnhri,
Pune, Maharashtra

South :

101, First Floor, S.p. Road,
Ibrahimshah Complex,
Benguluru (Karnataka)

MOHIT POLYTECH PVT. LTD

Regd. Office & Works : F-139, Road No.6, RIICO Ind. Area
Bindayaka, Jaipur 302012

Email : info@mohitpolytech.com

marketing@mohitpolytech.com, mohitpolytech112@yahoo.com

Website : www.mohitpolytech.com

Telefax : 0141-2240973, 2174627

Mob.: 09413343153, 08739901100, 08739901127