



HDPE Pipes

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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 size 20mm to 315mm 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 respectively.

APPLICATIONS :

Effluent and Waste Water Disposal :

Effluents of varied chemical compositions can be effectively disposed of using PARAS HDPE Pipes, with the aid of the latest know-how on piping engineering, pipelines for waste collection and disposal in chemical industry. Longevity of PARAS 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 pipe 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 PARAS pipes prominently figure out is for underwater pipelines. Paras 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 PARAS pipes with substantial cost savings. Schemes which would have been dropped due to economical un-viability have been made feasible with PARAS pipes.

Benefits Of HDPE Pipes :

- No joints means no leaks.
- HDPE pipe actually gains strength in lower temperatures and will expand at higher temperatures to avoid breaking.
- HDPE pipe is designed to bend to a radius of 25 times its diameter. This means fewer 90 degree bends overall, less chance for water hammer, a reduction in leaks and easier installation ideal for new construction.
- HDPE pipes strength and flexibility allows the pipe to absorb vibrations and stress caused by soil movements.
- With its ability to be compressed or deformed without permanent damage, pipe has even withstood the destructive forces of earthquakes.
- Performs well in rocky conditions.
- HDPE pipe can be buried at a shallow depth.
- There are no joints to pull apart. a distinct advantage, where ledge rock prohibits excavation and very little cover is available.
- Weathrability
- HDPE pipe can withstand long exposure to inclement weather conditions. Excessive sunlight and ultraviolet rays making it an excellent pipe for bridge crossings.
- Withstands full vacuum. HDPE pipe will not collapse, even under a full vacuum, when the correct size is used for a required application. This allows for perfect utilization as intake piping at pumps stations.

