

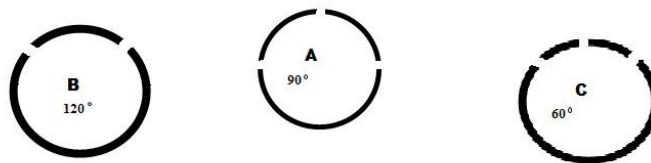


Gayatri Polymers & Geosynthetics  
An ISO 9001:2008 Certified Company

### HDPE PERFORATED PIPE

OD MM	ID MM	Hole Dia MM	CCD MM	TYPE
75	69	8	50	B
90	82	8	50	B
110	101	8	50	B,C
125	118	12.5	50	B,C
140	133	12.5	50	A,B,C
160	152	12.5	50	A,B,C
180	171	12.5	50	A,B,C
200	190	12.5	50	A,B,C
225	214	12.5	50	A,B,C
280	266	12.5	50	A,B,C
315	299	12.5	50	A,B,C

HDPE PIPE PERFORATION TYPE



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**1. Flexibility:** because of its flexibility, our perforated pipe is better suited for trenches or where the ground is uneven. Depending on whether your circumstances dictate a flexible or rigid drainage solution, our perforated pipe is simple to install and well within the capabilities of the do-it-yourself enthusiast.

**2. Perforated:** our pipe can be either **fully perforated**, i.e., holes around the entire circumference or **half-perforated**, i.e., have holes on only one side of the pipe, non-perforated, and perforated covered in filter sock. Perforations allow subsurface water to be collected and transplanted to favorable locations for discharge. Perforated pipe gives you the control you need to direct underground water where you want it, to encourage proper surface water percolation and in many cases to lower the groundwater table.

### **The Benefits of Using High Density Polyethylene**

Polyethylene is an extremely versatile piping material and has some properties that make ideal for use in underground drainage systems. Relatively lightweight, polyethylene allows for easier and less costly transportation and installation costs. Not brittle or rigidly hard, it is not easily susceptible to cracking during pipe handling and installation activities.

HDPE pipe is resistant to abrasion, corrosion, chemical scouring and is structurally strong with the ability to support large loads.

HDPE perforated pipe also has the highly valued ability to relax under stress. More than any other, this characteristic offers significant advantages for underground drainage systems and also helps to define its limitations of use. As our perforated pipe is loaded, the pipe relaxes immediately, and over time, allows the load to be transferred to the adjacent soil. This characteristic allows the pipe to displace local points of stress to the surrounding area resulting in slight pipe reformation over time. Such a characteristic is crucial for the long term structural stability of underground drainage systems.

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### **Selecting Perforated Pipe:**

There are a variety of different types of land drain systems available. Clayware and rigid plastic perforated pipes are generally **more expensive** than the flexible type and they should only be used where the depth of the drainage is such that the load of the backfill material would cause a flexible plastic pipe to collapse. As a general rule of thumb, we do not recommend the use of flexible plastic pipe at depths greater than 1.2 meters. The flexibility and light weight of our perforated pipe becomes an advantage when access is restricted or environmental conditions are excessively harsh.

### **Recommended Applications**

Our perforated pipe is available with perforations of varying styles and spacing and is primarily used for groundwater collection or recharge. Although versatile, the primary use of hdpe is for gravity flow water management. Examples include storm drainage, subsurface drainage, sanitary sewers, leachate collection, detention/retention stormwater management systems. Perforated pipe is also used in a wide variety of residential applications including trench and french drains, structure underdrains, gas collection, water wells, and dry wells. Commercial and industrial applications include highway culverts, airport runways and parking lots. Perforated pipe is also used in retention/recharge systems where collected stormwater is released into the ground through exfiltration.

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