

PE CORRUGATED PIPE

TECHNICAL DATA SHEET

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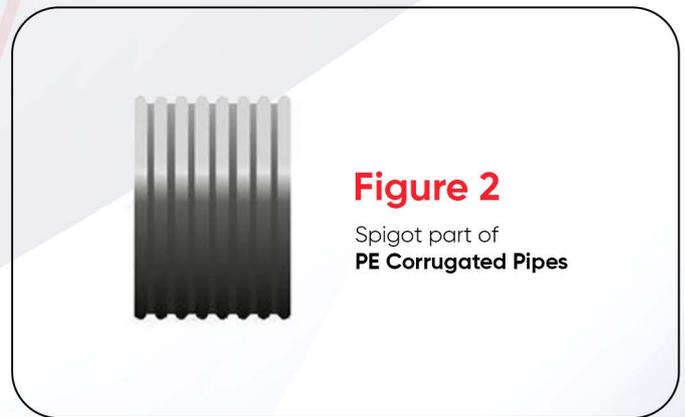
CORRUGATED PIPE DIMENSION TABLE

INNER DIAMETER (mm)	OUTER DIAMETER (mm)	PIPE LENGTH (mt)
100	117	6,06
150	175	6,04
200	229	6,10
300	352	6,16
400	461	6,08
500	578	6,20
600	691	6,15
800	897	6,23
1000	1158	6,38
1200	1420	6,40

JOINING AND LAYING RULES OF HDPE CORRUGATED PIPES

1. Socket and Spigot Edge of PE Corrugated Pipes

Socket edge of HAGI PLAST PE Corrugated pipes is made in-line during production. So, measures of every socket are identical. Socket edge can be seen from Figure-1 and spigot edge can be seen from Figure-2



2. GASKETS

Corrugated pipe gaskets are used to join HAGI PLAST PE Corrugated pipes. Those gaskets are made up of rubber and must be kept away to get in touch with chemicals like gasoline, acid, or oil during storage and applications. Also care must be taken not to allow deformation as a result of extreme stretching.



Figure 3

Mounting gasket

3. Joining PE Corrugated Pipes

Corrugated pipe gasket should be placed between second and third profiles of the spigot edge.

Lubricant is applied on both the gasket and onto the spigot edge to get slippery surface and this edge is inserted into socket edge of the other pipe.

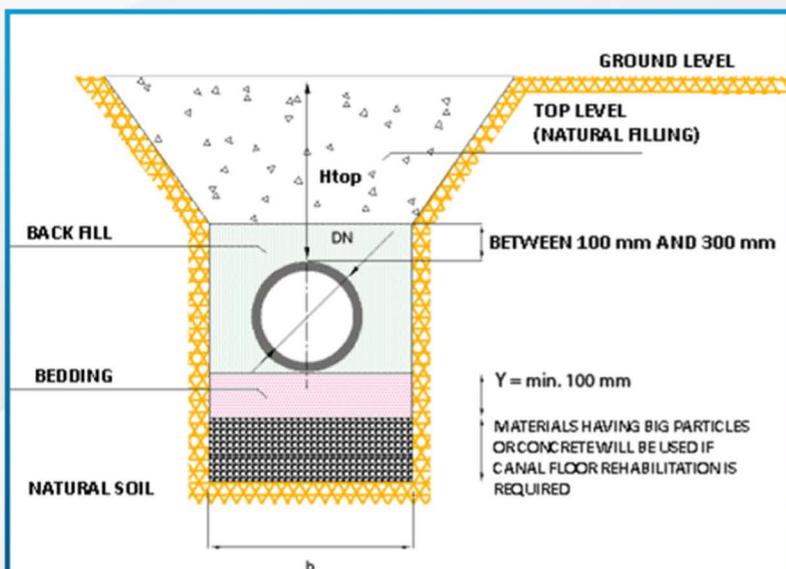
4. Laying Rules of PE Corrugated Pipes

Carefully laying down and installing pipes results long life to the pipe line. For this reason, canal surface should be smooth and should not contain stones. Width of canal depth should be depending on DN as follows:

- * 60 cm for pipes having DN < 200 mm
- * DN + 40 cm for pipes having DN in between 200 – 600 mm
- * DN + 50 cm for pipes having DN > 600 mm

PE Corrugated pipes should be laid down under the freezing level as other pipes and at least 50 cm below the ground level (H_{top}). Amount of back fill should be at least in between 100 and 300mm above the pipe.

About 100 mm thickness of soil or sand should be spread out onto the depth of the canal as bedding. Pipes are laid down onto this buffer layer. If canal floor rehabilitation is required, materials having big particles or concrete will be used.



This filling process is made other than socket joints and fittings first. Then, all the other parts of the pipe line are closed by applying the same process after the canal test and canal is completely closed. Care should be taken for not using frozen materials in case of environment temperature below 0 o C.