



Data-sheet

CULVERT PRODUCT



The product is manufactured by factory Q019204,

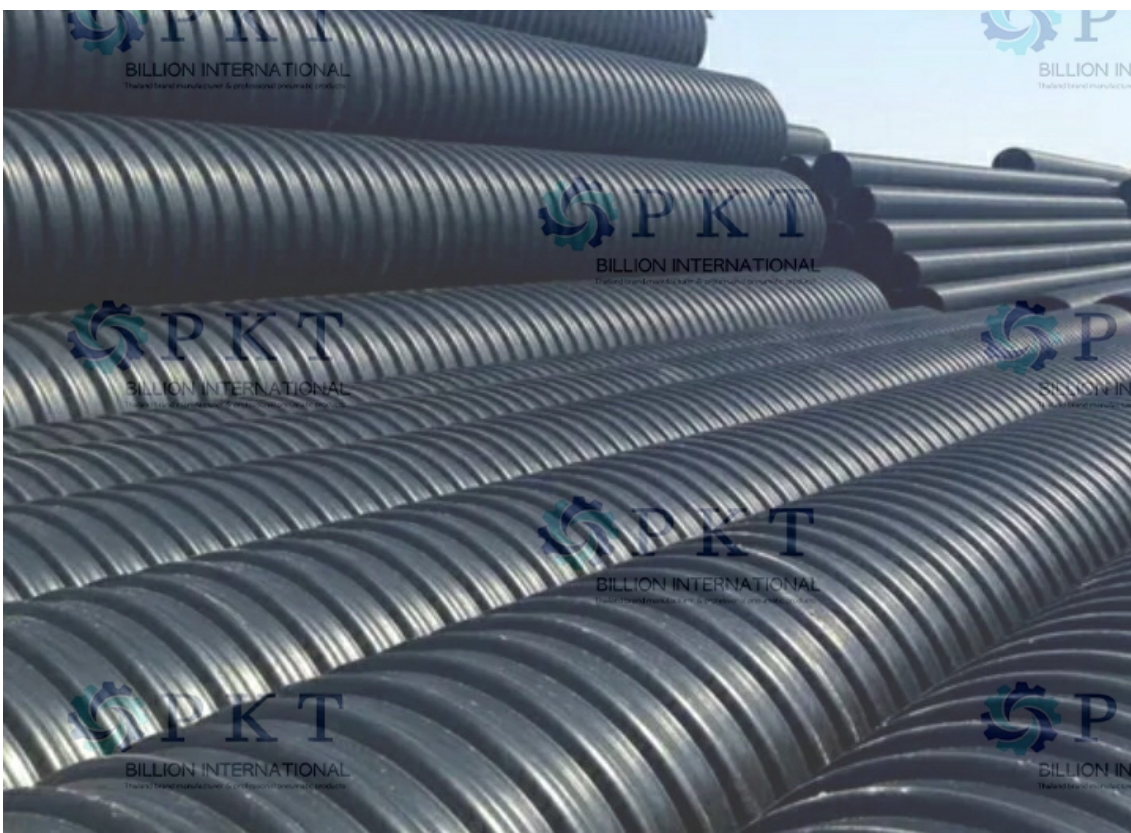
Ref. certificate No.: 00110Q26689R0M/3600

Quality Management System has been awarded this certificate for compliance with the
standard ISO9001:2008 GB/T 19001-2008

ABOUT CULVERT



Culverts are commonly used both as cross-drains to relieve drainage of ditches at the roadside, and to pass water under a road at natural drainage and stream crossings. A culvert may be a bridge-like structure designed to allow vehicle or pedestrian traffic to cross over the waterway while allowing adequate passage for the water.

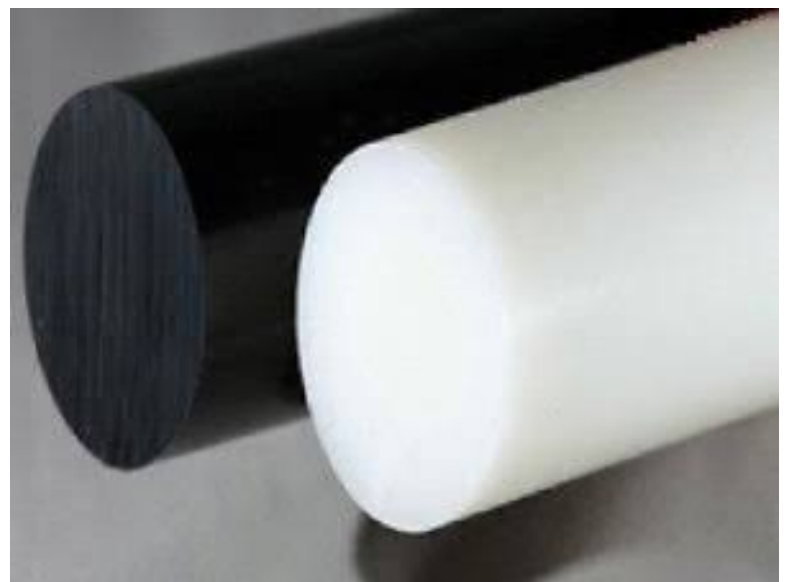


Culverts come in many sizes and shapes including round, elliptical, flat-bottomed, open-bottomed, pear-shaped, and box-like constructions. The culvert type and shape selection is based on a number of factors including requirements for hydraulic performance, limitations on upstream water surface elevation, and roadway embankment.

HDPE STEEL BELT REINFORCED CORRUGATED PIPE

About HDPE material:

High-density polyethylene (HDPE) or polyethylene high-density (PEHD) is a thermoplastic polymer produced from the monomer ethylene. It is sometimes called Alkathene or "polythene" when used for HDPE pipes.[1] With a high strength-to-density ratio, HDPE is used in the production of plastic bottles, corrosion-resistant piping, geomembranes and plastic lumber. HDPE is commonly recycled, and has the number 2 as its resin identification code.



HDPE STEEL BELT REINFORCED CORRUGATED PIPE

Product Show



The U-shaped steel strip composite PE material is adopted, so that the pipe rigidity can be greatly improved without increasing the cost, and the strength of the wound pipe and the carat tube is greatly improved under the same weight. It can solve a series of problems such as heavy load. The advantages of large-diameter pipe are more obvious. The diameter of the production pipe is from DN300mm to DN2400mm, and the ring stiffness is kept above 8KN/m², which is lighter and stronger than cement pipes and other plastic pipes.

- ★ Municipal drainage and sewage pipe system
- ★ Apartment drainage and drain sewage
- ★ Freeway and gym
- ★ Irrigation
- ★ Chemicals, mines fluid transport
- ★ Agriculture
- ★ Protective casing for underground pipe line and communication cables.

Applications

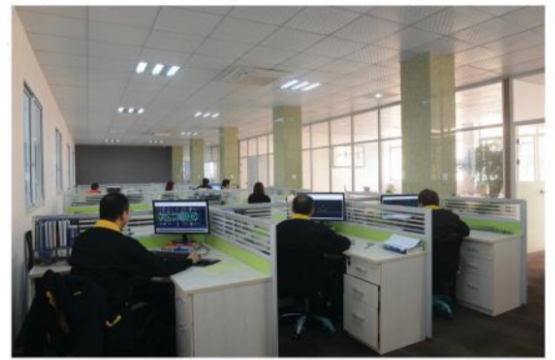
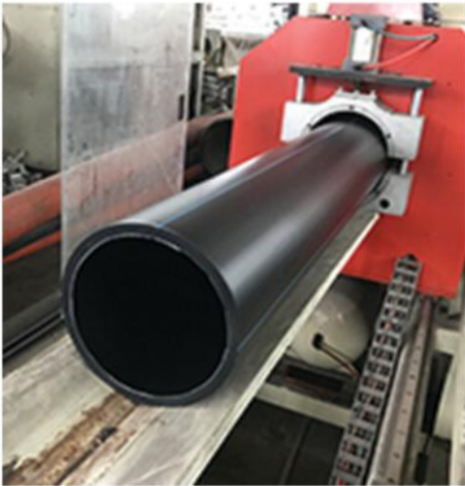
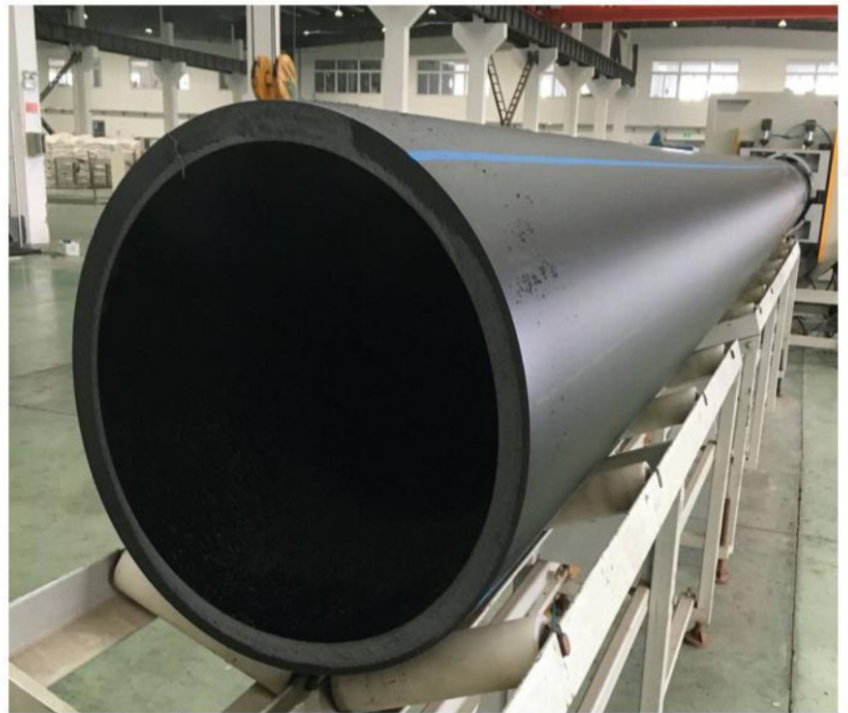
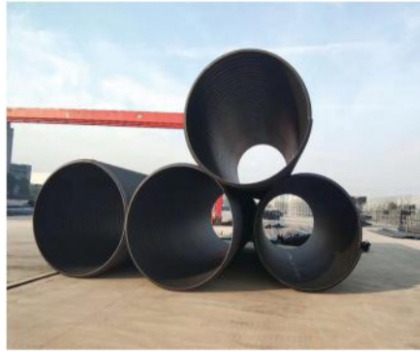


PERFORMANCE PAREMETER

Project		Indicators
Ring stiffness	SN8	≥8
	SN12.5	≥12.5
	SN16	≥16
Impact strength		TIR≤10%
Ring flexibility		The sample was originally smooth and had no reverse bending. No cracking, no separation on both walls
Oven experiment		No bubbles, no delamination, no cracking
Creep ratio		≤2
The tensile strength of the weld	diameter	Tensile force
	300≤ID≤500	600
	600≤ID≤800	840
	900≤ID≤1200	1020
	1200≤ID≤2000	1460
	> 2000	1600

DN/ID	DIAMTERE.min	IN THICKNESS.min	OUT THICKNESS.min	PITCH.max	STEEL BELT.min	Anti-corrosion layer.min
300	294	2.5	4	75	0.4	2.2
400	392	3	4.5	85	0.4	2.2
500	490	3.5	5	100	0.5	2.5
600	588	4	6	110	0.5	2.5
700	685	4	6	115	0.5	2.5
800	785	4.5	7.5	120	0.7	3
900	885	5	7.5	135	0.7	3
1000	985	5	8	150	0.7	3
1100	1085	5	8	165	0.7	3
1200	1185	5	8	180	0.7	3
1300	1285	5	8	210	1	3
1400	1385	5	8	210	1	3
1500	1485	5	8	220	1	3
1600	1585	5	9	230	1	3.5
1800	1785	5	9	230	1	3.5
2000	1985	6	9	235	1	3.5
2200	2185	6	9	235	1.2	3.5
2400	2385	6	10	235	1.2	3.5
2600	2585	6.5	10	240	1.2	3.5

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