

*Pipe Specifications*

规格(mm)	管系列	规格(mm)	管系列
300	SN4	800	SN4
	SN6.3		SN6.3
	SN8		SN8
	SN10		SN8
	SN12.5		SN10
			SN10
400	SN4	1000	SN12.5
	SN6.3		SN4
	SN8		SN6.3
	SN10		SN8
	SN12.5		SN8
			SN10
500	SN4	1200	SN6.3
	SN6.3		SN8
	SN8		SN10
	SN10		SN12.5
	SN12.5		SN4
			SN6.3
600	SN4	1200	SN8
	SN6.3		SN10
	SN8		SN10
	SN10		SN12.5
	SN12.5		SN12.5
			SN12.5

Production stick to GB/T 19472.2-2004

Non-digging buried HDPE spirally enwound pipe are divided as engineer traction force into two level-13 ton and 20 ton, please purchaser be clear about the application level.

Products are generally black, other colors are available upon request

The length of pipes are generally 6 m, other length is available upon request.

*Mechanical Property*

Item	Requirement	
Ring stiffness/(kN/m <sup>2</sup> )	SN4	≥ 4
	SN6.3	≥ 6.3
	SN8	≥ 8
	SN10	≥ 10
	SN12.5	≥ 12.5
Impact strengthen	TIR ≤ 10%	
Ring compliance	No delamination, no broekn	
Longitudinal reversion	≤3%, pipe should be no delamination and broken	
Creep rate	≤4	
Expand tensile/N DN/ID ≤ 300 400 ≤ DN/ID ≤ 500 600 ≤ DN/ID ≤ 700 DN/ID ≥ 800	The minimum tensile strengthen 380 510 760 1020	

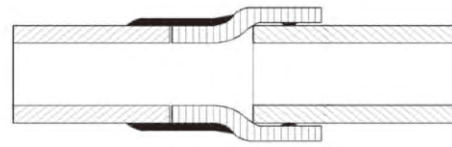
*Properties Of Solids*

Item	Requirement	Testing Method
Inner pressure test <sup>a</sup> ( 80℃、3.9MPa、165h )	No broken and leakage	GB/T 6111–2003 Using Style a sealing joint
Inner pressure test <sup>a</sup> ( 80℃、2.8MPa、1000h )	No broken and leakage	
MFR ( 190℃、5kg )	MFR ≤ 1.6g/10min	GB/T 3682–2000
Thermal stability (200℃)	OIT ≥ 20min	GB/T 17391–1998
Density	≥ 930kg/m <sup>3</sup>	GB/T 1033–1986
Testing with pipe of which wall is hollow that extruded by the testing raw material		

*Design & Installation*

Construction should be subject to CECS164:2004

**Socket connection:**



Diagram



F style elastic rubber



**Electro-thermal fusion installation:**



1. Pipe centering

2. wipe the adhesive substance on the surface of pipe

3. wind the electro-thermal belt



4. use clamp and buckle fix the welding piece

5. electro-thermal fusion

6. after cooling down completely, loosen the buckle.



**Reinforced polypropylene**

Reinforced polypropylene Double Wall corrugated Pipe, use polypropylene as the main polymer materials adding suitable amount of reinforced material, modified additives and excipients, with unique molding process device extrudes continuously, of which the inner wall is smooth, high intensity, the outer wall does not have the combination of longitudinal reinforcement and transverse reinforcement is a new type of buried drainage pipe.

**Characteristic of Connection and performance**

Reinforced polypropylene Double Wall corrugated Pipe usually apply the socket connection and sealed with rubber, has some characteristic below:

- ◎Extended the length of socket, usually is 200-300mm, seldom drop during construction, ensured the quality of project.
- ◎Sealing with rubber lower the leakage to the minimum
- ◎Anti-leakage, good corrosion resistance, aging resistance, cracking resistance, long service life, usually more than 50 years.
- ◎Light weight, no needs for heavy lifting facilities, very easy to transfer and install.
- ◎Good strengthen and stiffness, categorized as flexible plastic pipe, under conditions of correct design and construction, completely meet the requirement of bearing negative pressure of buried pipe.

**Application:**

- ◎Municipal, construction and building drainage system
- ◎Sewage treatment plant drainage system
- ◎Airport, port, highway drainage system
- ◎Agricultural irrigation, water supply, drainage system
- ◎Chemical, mine industry special fluid supply and drainage system
- ◎Conduit for Buried cable and postal telecommunications cable

