

Comparison between Steel **Mesh** Reinforced PE pipe&Ductile Iron Pipe

Item	Steel Mesh Reinforced PE Pipe	Ductile Iron Pipe
Length	The maximum ordering length is 12m,save fitting and comprehensive cost is lower	The maximum ordering length is 6m, need more fitting and cost will be highly
Flexibility	Good flexibility, pipe laying could follow ground ups and downs,save fitting and comprehensive cost is lower	Rigid pipe and more fittings needed cause the cost will be highly and rises safty concerns.
Corrosion	Highly corrosion resistant feature,don't need any anti-corrosion treatment	anti-corrosion treatment is necessary.
Breaking elongation	Good impact resistance feature and breaking elongation rate>350%	Breaking elongation rate>10%
Connection	Electro-fusion connection way is easy and good air tightness	Socket connection way is very complex
Weight	The weight is lighter than steel, about 40% around, easy to transportation and installation, comprehensive cost is lower.	The rate of weight to steel is 6.5, transportation and installation is difficult.
Mentainence	Easy to mentainence	Mentainence cost is higher
Ceep-resistance	Good feature of creep-resistance,pipline have good earth moving resistant characteristics.	Poor quality of pipeline connector to earth moving, easy breaking.
Anti-seismic	Good feature of anti-seismic	Easy to break when earth quake happen.
Safty	the mainly failure types is outside damage, but the pipline itself is more safty	Many kinds of failure types cause it damage, safty is lower
Lifetime	50 years quality guarantee	