

Certification

Kingbull piping systems have certificates from Australia SAI Global, French BV, Spanish AENOR, Swedish SP, Swiss SGS, ISO 9001, ISO 14001, China National Accreditation Service (CNAS) for Kingbull Lab, and other institutes. Kingbull piping products working life is 50 years and Kingbull provides customers 10 years quality warranty.



Contents

Advantages of Application	01
Application	03
Characteristic of Deviation	04
Pipes Specification	05
Fitting Specification	07
Installation	15



Application Advantages

© **Long service life**—As molecular weight of PE pipes is large. PE pipe take on favorable stability and aging resistance. Under normal work temperature and pressure conditions, service life of PE pipe is more than 50 years

© **Corrosion resistance**—Molecular structure of PE has good stability. PE pipe has corrosion resistance to natural gas, liquefied gas and manufactured gas. The second corrosion protection equipments are not needed. Chemical material in soil is not any degradation to PE pipe.

© **Good flexibility**—PE pipes has good flexibility, whose elongation at break is above 500%, which is easily bended. Bypass barrier by altering pipeline direction in project. In many circumstances, quantity of PE pipe and installation cost can be reduced due to good flexibility of PE pipe.

© **Good impact resistance and earthquake resistance**—Low temperature brittleness of PE is extremely low. PE pipe can be used in -60-60°C and has good adaptive capacity of heterogeneous sedimentation in pipe root. When construct in winter, because pipe has good impact resistance, embrittlement crack can not happen.

© **Good abrasion resistance**—As test shown, abrasion resistance of PE pipe is four times than steel pipe, Specially in slurry transportation field

© **Low resistance to water-flow**—PE pipe has smooth inner wall, Manning's coefficient is 0.009. PE pipe has more transportation ability than conventional way because PE pipe has smooth inner wall, at the same time, reduce pressure loss and water transportation quantity of pipes.

© **Good environmental protection**—No heavy metal stabilizer in production process. Material is innocuous and recycling.

© **Safe and reliable joint way**—PE pipes us fusion joint or electric joint. PE jointer and PE are same material, and come into being integration, avoiding water leakage and gas leakage.

© **Light weight, transport and construction easily**—Density of PE pipe is 1/8 of steel pipe. Transport and bending easily, welding easily and quickly, construction cost is low.