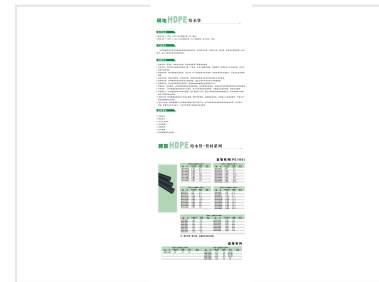


# HDPE Water Piping System

HDPE piping systems are designed for municipal water supply, offering economic efficiency and reliable joint stability. These systems feature hygienic PE material and are suitable for use in a wide range of temperatures.



## Overview

### HDPE Municipal Piping System

This High-Density Polyethylene (HDPE) piping system is engineered for municipal water supply and diverse industrial applications, including chemical drainage and cable protection. The material features excellent low-temperature toughness and corrosion resistance, ensuring a service life exceeding 50 years. Its flexible design and reliable fusion connection methods allow for efficient installation, even in complex trenchless construction scenarios.

## Key Features

### Performance Metrics

**50 Years**

Service Life

**0.009**

Manning Coefficient

**4 vs Steel**

Abrasion Resistance Ratio

Operating Temperature Range

-60 to 40 °C

Application Areas

Municipal Water Supply, Low-pressure Gas, Chemical Pressure Drainage, Trenchless Construction, Cable Sheathing, Aquaculture, Landfill

## Technical Specifications

### Standard Compliance

- GB/T13663-2000 (Pipe)
- GB/T13663.2-2005 (Fittings)

### Connection Types

Electrical Fusion • Thermal Fusion

### SDR26 Straight Pipe (0.6MPa)

Outer Diameter	Wall Thickness
110	4.2
160	6.2
200	7.7
250	9.6
315	12.1
400	15.3
450	17.2
500	19.1
630	24.1