



POLYTUBES LP

LOW DENSITY POLYPIPE

EXCEPTIONAL STRENGTH AND FLEXIBILITY

Polyethylene piping can be used in a variety of water distribution applications and provides exceptional strength and flexibility combined with favourable mechanical and chemical resistance properties. Polytubes offers a suite of products specifically designed for various applications.

THE LLDPE ADVANTAGE

Polytubes is the largest Canadian manufacturer of Linear Low-Density Polyethylene (LLDPE) PE1404 resin in the production of Polypipe products. LLDPE pipe has significant advantages the lower-grade Low-Density Polyethylene (LDPE) resin that is typically used in the industry. Some of the many advantages include:

- Higher tensile strength and higher impact and puncture resistance
- Increased Environmental Stress Crack Resistance
- Good resistance to chemical and ultraviolet attacks
- Stronger resin properties allow for a thinner wall to be used to achieve the same pressure ratings.
- The thinner wall makes LLDPE tubing more flexible with greater elongation under stress.
- Increased flexibility of the pipe assists in easier installation, especially in cold weather.

Polytubes has been manufacturing Coiled Polyethylene since 1953. The application for this product has evolved from general use utility pipe to Potable Water applications. The Polytubes product slate consists of various PE materials offering different performance for each intended application.

LLDPE is not as easy to process as LDPE, has lower gloss, and costs more than LDPE to produce. For these reasons very few manufacturers choose to use LLDPE over LDPE resin. LLDPE material will be found in the following Polytubes' products:

- Series 75 CSA and Series 100 CSA B137.1 ID pipe
 - Applications: Potable Water
- Prime 100
 - Applications: Irrigation, Non-Potable Water, Utility Use
- Star 75
 - Applications: Irrigation, Non-Potable Water, Utility Use
- PolyDrip Tubing
- LLDPE Rink pipe