



[Manuals.plus](#) /

› [Eastman](#) /

› Eastman Polyethylene Plumbing Tubing Instruction Manual

Eastman 98634

Eastman Polyethylene Plumbing Tubing Instruction Manual

Brand: Eastman | Model: 98634

PRODUCT OVERVIEW

Simplify your plumbing projects with Eastman Polyethylene Plumbing Tubing. This lightweight, semi-rigid tubing is built from durable polyethylene material designed to handle air and water lines in a variety of applications, from food and beverage service to hospitals, OEM equipment, chemical processing, feed lines, and laboratories. The tubing offers excellent chemical compatibility, standing up to many solvents, acids, alkalis, and fuels. Its flexible design can be cut to length for custom installations, making it a practical choice for both residential and commercial use. Rated for a maximum working pressure of 120 PSI and a temperature range of 42 degrees F to 125°F, this FDA-compliant tubing is safe for potable water applications and built for dependable performance.

KEY FEATURES

- **POLYETHYLENE TUBING:** Flexible polyethylene tubing designed for use in air and water lines across a range of settings including food and beverage service, hospitals, OEM equipment, chemical processing, feed lines, and laboratory environments.
- **DURABLE BUILD:** Made from lightweight, semi-rigid polyethylene material that withstands impact and supports long-term performance.
- **COMPATIBILITY:** Suitable for use with a variety of liquids and gases, including many solvents, acids, alkalis, and fuels.
- **FLEXIBLE:** Tubing can be cut to length for custom installations and is easy to route in tight spaces.
- **SPECS:** This 25 ft. x 1/2 in. OD polyethylene tubing operates within a temperature range of 42 to 125 degrees F, supports a maximum working pressure of 120 PSI, has a wall thickness of 1/16 inches, and is made from FDA-compliant material for use in potable water applications.

PRODUCT IMAGES



A coiled roll of white Eastman Polyethylene Plumbing Tubing, showing its flexible and compact form for storage and transport.



A close-up view of the end of the polyethylene tubing, highlighting its smooth interior and consistent wall thickness.

SETUP

Proper setup is crucial for optimal performance and longevity of your Eastman Polyethylene Plumbing Tubing. Follow these general guidelines:

1. **Planning:** Before cutting, plan your tubing route to minimize bends and ensure sufficient length. Consider the required inner diameter (ID) and outer diameter (OD) for your fittings.
2. **Cutting:** Use a sharp tubing cutter designed for plastic tubing to ensure a clean, square cut. Avoid using knives or scissors, which can deform the tubing and lead to leaks.
3. **Connecting:** Ensure all fittings are compatible with polyethylene tubing and the specified dimensions. Push-to-connect fittings are common and require a firm, straight insertion until the tubing seats securely. For barbed fittings, ensure appropriate clamps are used.
4. **Securing:** Secure the tubing along its path using appropriate clips or hangers to prevent sagging, kinking, or accidental damage.
5. **Testing:** After installation, slowly introduce the fluid or air into the system and carefully check all connections for leaks. Address any leaks immediately by re-seating or replacing fittings.

OPERATING

This polyethylene tubing is designed for reliable performance within its specified limits. Adhere to the following operating conditions:

- **Pressure Limits:** Do not exceed the maximum working pressure of 120 PSI. Operating above this limit can lead to tubing

failure and potential damage.

- **Temperature Range:** Ensure the operating temperature remains within 42°F to 125°F (5.5°C to 51.7°C). Extreme temperatures outside this range can compromise the tubing's integrity and performance.
- **Fluid Compatibility:** While compatible with many liquids and gases, always verify compatibility with specific chemicals to prevent degradation of the tubing material.
- **Avoid Kinking:** Although flexible, avoid sharp bends that can kink the tubing, restricting flow or causing permanent damage. Maintain a generous bend radius.

MAINTENANCE

Regular maintenance helps ensure the long-term performance and safety of your tubing system:

- **Visual Inspection:** Periodically inspect the entire length of the tubing for any signs of wear, cracks, kinks, discoloration, or damage.
- **Connection Check:** Verify that all connections remain secure and free from leaks. Tighten or re-seat fittings as necessary.
- **Cleaning:** If used for potable water or food-grade applications, follow appropriate cleaning and sanitization protocols to prevent bacterial growth or contamination.
- **Environmental Protection:** Protect the tubing from direct sunlight exposure for prolonged periods, as UV radiation can degrade polyethylene over time. Shield from sharp objects or abrasive surfaces.

TROUBLESHOOTING

Common issues and their potential solutions:

Problem	Possible Cause	Solution
Leaks at Connections	Improperly cut tubing, loose fitting, incompatible fitting, damaged O-ring/seal.	Ensure clean, square cuts. Re-seat fitting firmly. Verify fitting compatibility. Replace damaged seals or fittings.
Reduced Flow	Kinked tubing, internal blockage, excessive length, undersized tubing.	Straighten kinks or replace section. Flush system. Shorten run if possible. Use appropriate ID tubing.
Tubing Damage	Abrasion, sharp objects, excessive pressure/temperature, UV exposure.	Protect tubing from hazards. Ensure operating within specified limits. Shield from direct sunlight. Replace damaged sections.

SPECIFICATIONS

Attribute	Detail
Brand	Eastman
Model Number	98634
Material	Low Density Polyethylene (LDPE)
Color	Clear
Size (ID x OD x Length)	3/8 in. ID (1/2 in. OD) x 25 Ft.
Nominal Wall Thickness	0.04 inches (approx. 1/16 inches)
Maximum Pressure	120 PSI

Attribute	Detail
Temperature Rating	42°F to 125°F (5.5°C to 51.7°C)
FDA Compliant	Yes (for potable water applications)
UPC	091712018452

WARRANTY AND SUPPORT

This Eastman Polyethylene Plumbing Tubing comes with a **1-year limited warranty** from the manufacturer.

For warranty claims, technical support, or additional product information, please contact Eastman customer service. Refer to the product packaging or the official Eastman website for the most current contact details.