

The possibilities are endless...



Linear Low Density Polyethylene Pipe | Encasement for Ductile Iron Pipe

■ Scope

This specification establishes minimum requirements for polyethylene sheeting and tubing used for external corrosion protection of buried ductile-iron pipe, fittings and appurtenances.

■ Applicable Documents

The following specifications form a part of this specification:

- 1) Federal Specification L-P-378E; Plastic Sheet and Strip, Polyolefin.
- 2) American Water Works Association ANSI/AWWA C105/A21.5 Polyethylene Encasement for Ductile-Iron Pipe Systems.

■ Requirements

Materials

- 1) Unless otherwise specified, material shall be produced with linear low density polyethylene with a density of 0.910 to 0.935.
- 2) Width - tolerances shall be $\pm 1/2"$. Material width shall be checked at the beginning and end of each roll
- 3) Length - Unless otherwise specified, all material shall be supplied either as continuous rolls without perforations, perforated at 20 foot intervals, or 22 foot intervals. Overall length tolerances on perforated or non-perforated rolls shall be \pm two feet. Length tolerances for individual perforated sections shall be \pm six inches for either 20 foot or 22 foot perforations
- 4) Thickness - Unless otherwise specified, film shall have a minimum thickness of .008 inches (8MIL).
- 5) Color-Unless otherwise specified, all material shall be supplied black in color containing no less than 2% carbon black, blue, green or lavender.
- 6) Marking - Unless otherwise specified, all supplied rolls shall be randomly printed with the following information:
Name of manufacturer, ANSI/AWWA C105-A21.5, 8 MIL LLDPE, Applicable range of nominal pipe diameter, Warning-Corrosion Protection-Repair Any Damage

■ Quality Assurance Provision

- 1) Any lot which fails to meet the requirements of this specification shall be subject to rejection.
- 2) Any deviation from this specification must be approved in writing.

■ Preparation for Delivery

Each finished roll of material shall be individually boxed or bulk packed. Individual cartons shall be placed on a suitable sized pallet and stretch wrapped to assure a safe, damage-free delivery. Each carton shall be clearly marked with the following information:

- 1) Width, length and gauge of material
- 2) Perforation length or marked as "continuous length"
- 3) LLDPE
- 4) ANSI/AWWA C105/A21.5
- 5) Year Manufactured

■ Certification

Unless otherwise specified, each shipment shall contain certification that material meet the minimum requirements specified by each customer and American Water Works Association Specification ANSI/AWWA C105/A21.5-99.

Any deviation must be done so in writing.

