



Topic: Submittal/Specifications – 8 mil Polyethylene Tubing

The polyethylene tubing that BNG Components, LLC. supplies exceed the requirements set by the American Society of Testing Materials and the American Water Works Association, ANSI/AWWA C105/A21.5-99.

The Linear Low-Density resin used to manufacture the poly tubing conforms to raw material requirements of ASTM Specification 4.1.1.1. The tubing also meets or exceeds all limits set forth in Sections 4.1 through 4.3 Group 2 (linear) per ASTM D4976, D882, D149, D1709 Method B, and D1922.

The thickness of the tubing is 8 mil (minimum). The poly tubing will be black unless otherwise specified, but all colors conform to these specifications. The tensile strength will meet or exceed 3600 PSI.

It is manufactured in the USA by Mountain States Plastics.

Thickness: .008 (at lowest point)

Material: LDPE Type 1, Class C Grade E1

Tensile Strength: Exceeds 800% MD & TD

Impact Resistance: 600-gram minimum

Dielectric Strength: 800V/mil thickness minimum

Propagation Tear Resistance: 2550 gf MD & TD

Note: Per ANSI/AWWA C105/A21.5-99, a tubing will be labeled every two feet with the MFG, date of MFG, ANSI/AWWA C105/A21.5-99, thickness, LLDPE, nominal pipe sizes, and "Warning-Corrosion Protection – Repair any damage".

Poly for reclaimed water will be labeled "Reclaimed Water". Poly for wastewater will be labeled "Wastewater".

If you have any further questions, please feel free to contact us.

Sincerely,

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Branch Manager*



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