



4 mil poly wrap

This film is extruded from virgin high-density polyethylene resins, molecularly oriented through a stretching process. The two single-ply layers are laminated bi-directionally. The grain orientation of each layer are run at a 90-degree angle to each other, which produces a very strong and durable finished product our material surpasses all of the specifications of the ANSI/AWWA C105/A21.5 standard and has exceptional resistance to punctures and tears that may occur during the installation and backfilling process.

As with all protection methods, proper installation is vital to the success of the Polywrap. Care needs to be used when installing this item so it is not damaged. If part of the wrap is damaged, repair it with tape if possible.

PRODUCT SPECIFICATIONS

SPECIFICATIONS:

Physical Attribute	Test Direction	ANSI/AWWA C105/A21.5 MINIMUM REQUIREMENT	SIGMA TYPICAL TEST VALUES
TENSILE STRENGTH ASTM D882	MACHINE DIRECTION	6300psi	8057psi
	TRANSVERSE DIRECTION	6300psi	8516psi
ELONGATION ASTM D882	MACHINE DIRECTION	100%	328%
	TRANSVERSE DIRECTION	100%	269%
DIELECTRIC STRENGTH ASTM D149 (VOLTS / MIL)	n/a	800 volts / mil	2828 volts / mil
IMPACT RESISTANCE ASTM D1709 (grams)	n/a	800 grams	1546 grams
PROPAGATION TEAR RESISTANCE ASTM D1922 (gf)	MACHINE DIRECTION	250 grams/force	471 grams/force
	TRANSVERSE DIRECTION	250 grams/force	725 grams/force

MATERIAL:

- ANSI/AWWA C105/A21.5 defines cross-laminated high-density polyethylene film as: "Film extruded from virgin high-density polyethylene raw material, which is then molecularly oriented by stretching. Two single-ply layers of the film are then laminated together with their orientations at 90 degrees to one another to form the final product."

COLOR:

- Polyethylene film may be supplied in its natural color, white, black, or weather-resistant black

