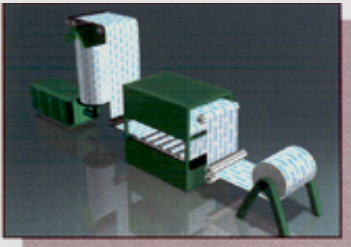


# 4 Mil High Density Cross-Laminated Polyethylene



## PRODUCT SPECIFICATIONS

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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

### SIZE RANGE:

- 4 mil Stock Tube Sizes (based on ANSI/AWWA C105/A21.5 Table 1)

Item No.	DI PIPE SIZE	LAYFLAT TUBE SIZE
47-CL20	4-8"	20" X 500 FT.
47-CL27	10-12"	27" X 500 FT.
47-CL30	14"	30" X 500 FT.
47-CL34	16"	34" X 500 FT.
47-CL41	18-20"	41" X 500 FT.
47-CL54	24"	54" X 500 FT.
47-CL67	30"	67" X 500 FT.
47-CL81	36-42"	81" X 500 FT.
47-CL95	48"	95" X 500 FT.