SIGMA™

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8 Mil Linear Low Density Polyethylene







PRODUCT SPECIFICATIONS

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Physical Attribute	Test Direction	ANSI/AWWA C105/A21.5 MINIMUM REQUIREMENT	SIGMA LLDP TYPICAL TEST VALUES
TENSILE STRENGTH ASTM D882	MACHINE DIRECTION	3600psi	4635psi
	TRANSVERSE DIRECTION	3600psi	4216psi
ELONGATION STM D882	MACHINE DIRECTION	800%	948%
	TRANSVERSE DIRECTION	800%	1012%
DIELECTRIC STRENGTH ASTM D149 (VOLTS / MIL)	n/a	800 volts / mil	1786 volts / mil
IMPACT RESISTANCE ASTM D1709 (grams)	n/a	600 grams	928 grams
PROPAGATION TEAR RESISTANCE ASTM D1922 (gf)	MACHINE DIRECTION	2550 grams/force	4082 grams/force
	TRANSVERSE DIRECTION	2550 grams/force	6159 grams/force

MATERIAL:

- Polycase LLDPE encasement film is a carefully engineered linear low density virgin polyethylene resin film designed to meet the requirements of the ANSI/AWWA C105/A21.5 standard.

COLOR:

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

SIZE RANGE:

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

Pipe Size	Size	Continuous Roll Length	Part Number	Perforated 22	Part Number	Perforated 20	Part Number
4-6”	16”	300	47-PW16	506	47-PW1622	300	47-PW1620
8”	20”	300	47-PW20	506	47-PW2022	300	47-PW2020
10”	24”	300	47-PW24	440	47-PW2422	300	47-PW2420
12”	27”	300	47-PW27	396	47-PW2722	300	47-PW2720
14”	30”	300	47-PW30	352	47-PW3022	300	47-PW3020
16”	34”	300	47-PW34	308	47-PW3422	300	47-PW3420
18”	37”	300	47-PW37	308	47-PW3722	300	47-PW3720
20”	41”	300	47-PW41	264	47-PW4122	220	47-PW4120
24”	54”	300	47-PW54	220	47-PW5422	220	47-PW5420
30”	67”	300	47-PW67	220	47-PW6722	220	47-PW6720
36-42”	81”	300	47-PW81	176	47-PW8122	220	47-PW8120
48”	95”	200	47-PW95	220	47-PW9522	220	47-PW9520
54”	108”	200	47-PW108				
60-64”	121”	110	47-PW121				

Pipe Size	Size	Sigma Blue	Part Number	Sigma Green	Part Number	Sigma Lavendar	Part Number
8”	20”	300	47-PW20B	300	47-PW20G	300	47-PW20L
12”	27”	300	47-PW27B	300	47-PW27G	300	47-PW27L
16”	34”	300	47-PW34B	300	47-PW34G	300	47-PW34L
20”	41”	200	47-PW41B	200	47-PW41G	200	47-PW41L
24”	54”	200	47-PW54B	200	47-PW54G	200	47-PW54L
30”	67”	200	47-PW67B	200	47-PW67G	200	47-PW67L
36-42”	81”	200	47-PW81B				