



*Western Environmental
Liner*

Aqua 12
12 mil Reinforced Polyethylene

DATA SHEET

A heavy duty material for [pit](#), and [pond liners](#), [haystack covers](#), [field covers](#), [stock pile covers](#), etc. The propriety coating is used to enhance abrasion resistance, flex resistance, seam strength, UV resistance and longevity.

FABRIC SPECIFICATIONS

WEAVE	Woven black HDPE scrim using 1600 denier tapes
COATING	1.75 mil average, two sides (59 gsm, two sides)
COLOR	White, Blue, Silver, Black or other colors after consultation.
WEIGHT	5.5 oz/yd ² (247 g/m ²) +/- 5%

GRAB TENSILE	Warp 174 lb	Weft 124lb	ASTM D7004
TOUNGE TEAR	Warp 70 lb	Weft 80 lb	ASTM D5884
TRAPEZOIDAL TEAR	Warp 75lb	Weft 45 lb	ASTM D4533
MULLEN BURST	250 psi		ASTM D751
HYDROSTATIC RESISTANCE	381 psi		ASTM D751
MOISTURE VAPOUR TRANSMISSION	0.05 US Perms. Meets A, B & C Perm rating		ASTM E96
PERMEABILITY	<1.3 x 10 ⁻¹² cm/sec		ASTM D4491
PUNCTURE RESISTANCE	63lb		ASTM D4833
ACCELERATED UV WEATHERING ¹	>80% strength retention after 2000 hours exposure @0.77 W/m ² /nm or 1200 hours exposure @ 1.35 W/m ² /nm		ASTM G151 ASTM G154

Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

ROLL SPECIFICATION

CORES	4 inch (101.6 mm) or 5 inch (127 mm) I.D.
WIDTH	Up to 150 inches (-0, +0.5) as ordered, 3.81 m (-0, +12mm)
LENGTH	Minimum 500 yds/roll (457m); up to 1000 yds/roll (914m)

These values are typical data and are not intended as limiting specifications.