



*Western Environmental  
Liner*

**Aqua 16**  
**16-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	2.5 mil average, two sides (59 gsm, two sides)
COLOR	White, Blue, Silver, Black or other colors after consultation.
WEIGHT	7.3 oz/yd <sup>2</sup> (247 g/m <sup>2</sup> ) +/- 5%

GRAB TENSILE	Warp 215 lb 956N	Weft 215 lb 956 N	ASTM D5034
TOUNGE TEAR	Warp 70 lb 311 N	Weft 70 lb 311 N	ASTM D2261
TRAPEZOIDAL TEAR	Warp 65 lb 289 N	Weft 45 lb 200 N	ASTM D4533
MULLEN BURST	400 psi 2760 kPa		ASTM D3786
HYDROSTATIC RESISTANCE	163 psi 1224 kPa		ASTM D751
MOISTURE VAPOUR TRANSMISSION	0.05 US Perms. Meets A, B & C Perm rating		ASTM E96
PERMEABILITY	<6 x 10 <sup>-8</sup> cm/sec		ASTM D4491
PUNCTURE RESISTANCE	94 lb 420 N		ASTM D4833
ACCELERATED UV WEATHERING <sup>1</sup>	>80% strength retention after 2000 hours exposure @0.77 W/m <sup>2</sup> /nm or 1200 hours exposure @ 1.35 W/m <sup>2</sup> /nm		ASTM G150 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.