



*Western Environmental
Liner*

Aqua 30
30mil Reinforced Polyethylene

DATA SHEET

Heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. The coating recipe is designed to improve abrasion resistance. For use in [geomembrane applications](#) such as soil remediation, [pond lining](#), [canal lining](#), [landfill covers](#), etc.

FABRIC SPECIFICATIONS

WEAVE	Woven black HDPE scrim
COATING	3.0 mil average each side
COLOR	Black
WEIGHT	13.4 oz/yd ² (454 g/m ²) +/- 5%
THICKNESS	Nominal 30 mil (0.75 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 375 lb	Weft 315 lb	ASTM D751
TOUNGE TEAR	Warp 55 lb	Weft 55 lb	ASTM D751
TRAPEZOIDAL TEAR	Warp 100 lb	Weft 90 lb	ASTM D4533-04
MULLEN BURST	720 psi		ASTM D751
HYDROSTATIC RESISTANCE	610 psi		ASTM D751-00
PERMEABILITY	<1.3 x 10 ⁻⁹ cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	225 lb		ASTM D4833-00
ACCELERATED UV WEATHERING ¹	>90% strength retention after 2000 hours exposure @0.77 W/m ² /nm or 1200 hours exposure @ 1.35 W/m ² /nm		ASTM G150-00 ASTM G154-04

¹Q.U.V [A-340 Lamps]: 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

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