



WESTERN
ENVIRONMENTAL LINER

Aqua 20

20mil Reinforced Polyethylene

DATA SHEET

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

FABRIC SPECIFICATIONS

WEAVE	Woven black HDPE scrim
COATING	2.5 mil average each side
COLOR	Black or other colored coatings available
WEIGHT	9.6 oz/yd ² +/- 5%
THICKNESS	20mils +/- 10% ASTM D1777

GRAB TENSILE	Warp 330 lb	Weft 286 lb	ASTM D751
STRIP TENSILE	Warp 235 lb	Weft 147 lb	ASTM D751
TRAPEZOIDAL TEAR	Warp 110 lb	Weft 92 lb	ASTM D4533
MULLEN BURST	600 psi		ASTM 751
HYDROSTATIC RESISTANCE	352 psi		ASTM D751
MOISTURE VAPOR TRANSMISSION	0.47 g/m ² /24 hours (0.07 perms)		ASTM E96, pr. B
PERMEABILITY	<1.3 x 10 ⁻⁷ cm/sec		ASTM D4491
PUNCTURE RESISTANCE INDEX	171 lb		ASTM D4833
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.