



WESTERN
ENVIRONMENTAL LINER

Aqua 24
24mil 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	11.5 oz/yd ² (391 g/m ²) +/- 5%
THICKNESS	Nominal 24 mil (0.61 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 352 lb 1566 N	Weft 300 lb 1334 N	ASTM D751
TOUNGE TEAR	Warp 251 lb 1117 N	Weft 210 lb 934 N	ASTM D5884-01
TRAPEZOIDAL TEAR	Warp 110 lb 490 N	Weft 90 lb 400 N	ASTM D4533
MULLEN BURST	680 psi 4690 kPa		ASTM D751
HYDROSTATIC RESISTANCE	380 psi 2620 kPa		ASTM D751-00
PERMEABILITY	<1.3 x 10 ⁻⁹ cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	176 lb 80 kg		ASTM D4833
ACCELERATED UV WEATHERING ¹	>90% strength retention after 2000 hours exposure		ASTM G154-04

¹Q.U.V [A-340 Lamps]: 8 hrs UV @ 60°C; 4 hrs condensation @ 40°C

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