



WESTERN
ENVIRONMENTAL LINER

Aqua 24

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	4.0 mil average each side (94 g/m ² , each side)
COLOUR	White/Black or other coloured coatings available
WEIGHT	12.0 oz/yd ² (409 g/m ²) +/- 5%
THICKNESS	24 mils (0.61 mm) +/- 10% ASTM D5199

PERFORMANCE

GRAB TENSILE	Warp 350 lb 1557N Weft 340 lb 1511 N	ASTM D5034-95
TONGUE TEAR	Warp 110 lb 489 N Weft 110 lb 489 N	ASTM D2261-96
TRAPEZOIDAL TEAR	Warp 90 lb 400 N Weft 90 lb 400 N	ASTM D4533-04
MULLEN BURST	670 psi 4623 kPa	ASTM D3786-01
HYDROSTATIC RESISTANCE	424 psi 2927 kPa	ASTM D751-00
MOISTURE VAPOUR TRANSMISSION	0.47 g/m ² /24 hour (0.07 perms)	ASTM E96, pr. B
PERMEABILITY	<1.3x10 ⁻⁷ cm/sec	ASTM D4491
PUNCTURE RESISTANCE, INDEX	205 lb 912 N	ASTM D4833-07
ACCELERATED UV WEATHERING ¹	>90 % strength retention after 2000 hrs exposure @ 0.77 W/m ² /nm, or 1200 hours exposure @ 1.35 W/m ² /nm.	ASTM G151-00 ASTM G154-04

¹ Q.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.