



*Western Environmental  
Liner*

**Aqua i30**  
**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	5.25 mil average each side
COLOR	Black
WEIGHT	15 oz/yd <sup>2</sup>
THICKNESS	Nominal 30 mil (0.75 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 340 lb	Weft 520 lb	ASTM D751
TOUNGE TEAR	Warp 55 lb	Weft 45 lb	ASTM D751
STRIP TENSILE	Warp 210 lb	Weft 320lb	ASTM D7003
MULLEN BURST	700 psi		ASTM D751
HYDROSTATIC RESISTANCE	610 psi		ASTM D751-00
PERMEABILITY	<1.3 x 10 <sup>-9</sup> cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	200 lb		ASTM D4833-00
ACCELERATED UV WEATHERING <sup>1</sup>	>90% 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 G150-00 ASTM G154-04

<sup>1</sup>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.