



WESTERN
ENVIRONMENTAL LINER

Aqua 40 Coextruded
40mil Reinforced Polyethylene

DATA SHEET

Heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. This product is a combination of polyethylene reinforcement and co-extrusion which enhances UV Resistance and improves physical properties. For use in [geomembrane applications](#) such as soil remediation, [pond lining](#), [canal lining](#), [landfill covers](#), tank lining, etc.

FABRIC SPECIFICATIONS

WEAVE	Woven black HDPE scrim
COATING	Top side – 17.5 mil LLDPE/LDPE w/ special blend Bottom side - 5 mil LDPE
COLOR	Black/Black
WEIGHT	20.8 oz/yd ² (705 g/m ²) +/- 5%
THICKNESS	Nominal 40 mil (1.0 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 418lb 1859 N	Weft 385 lb 1712 N	ASTM D7-7004
TOUNGE TEAR	Warp 55 lb 244 N	Weft 55 lb 244 N	ASTM D5884-01
TRAPEZOIDAL TEAR	Warp 80 lb 355 N	Weft 66 lb 293 N	ASTM D4533-04
MULLEN BURST	800 psi 5517 kPa		ASTM D751
HYDROSTATIC RESISTANCE	769 psi 5302 kPa		ASTM D751-00
PERMEABILITY	2.06 x 10 ⁻¹² cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	243 lb 1076 N		ASTM D4833-02

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