



30 mil RPE
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
COLOR	Black
WEIGHT	13.4 oz/yd ² (454 g/m ²) +/- 5%
THICKNESS	Nominal 30 mil (0.75 mm) +/- 10% ASTM D1777

GRAB TENSILE	Warp 375 lb 1668 N	Weft 315 lb 1401 N	ASTM D751
CUT STRIP TENSILE	Warp 270 lb 1201 N	Weft 225 lb 1000 N	ASTM D751
TRAPEZOIDAL TEAR	Warp 100 lb 444 N	Weft 90 lb 400 N	ASTM D4533-04
MULLEN BURST	720 psi 4964 kPa		ASTM D751
HYDROSTATIC RESISTANCE	610 psi 4196 kPa		ASTM D751-00
PERMEABILITY	<1.3 x 10 ⁻⁹ cm/sec		ASTM D4491-99a
PUNCTURE RESISTANCE INDEX	225 lb 1000 N		ASTM D4833-00
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.