

# WPL Fab **ATLAS Reinforced Polyethylene RPE**

Test Method		Units	Min - Typical
Thickness		mil.	30
Tensile Strength, Grab (warp/fill)	ASTM D751A	lbs	250/250 - 300/265
Tensile Elongation, Grab (warp/fill)	ASTM D751A	%	25/25 - 35/40
Tear Strength, Tongue (warp/fill)	ASTM D5884	lbs	80/80 - 161/188
Puncture Rod	ASTM D751A	lbs	75 - 96
Ply Adhesion Strength	Method 2031	lbs / in	20 - 25
Low Temperture Bend	ASTM D4833	F°	-70° - -70°
Abrasion Resistance (H18/1 kg)	ASTM D751	cycles	5,000 - 6,000
Ozone Resistance (100 pphm @ 40C)	ASTM D1204		Pass
Oxidative Induction Time	ASTM D3389	min	100 - 385
Hydraulic Conductativity	ASTM D2136	cm / sec	1.0 x 10
Seam Shear Strength	ASTM D7238	lbs / in	90 - 97
Seam Peel Strength	ASTM D751	lbs / in	20 - 36

RPE is a flexible geomembrane resulting in no stress cracking. This geomembrane is also UV stable, has high tear strength and is puncture resistant.

RPE, or Reinforced Polyethylene, is a scrim reinforced product heat welded by a trained technician. Color options are available upon request. At WPL Fab we test each panel, accordion fold then roll onto a core, package with a protective layer and apply directions on the outside of the roll for ease of deployment.

## **Applications**

Coal Mining, Floating Covers, Lagoons, Ponds, Reservoirs, Irrigation Ponds, Landfills, Agricultural Applications, Municipal Applications