

Test Method Units Min - Typical Min - Typical Min - Typical

Thickness		mil.	30	36	45
Tensile Strength, Grab (warp/fill)	ASTM D751A	lbs	250/250 - 300/265	250/250 - 300/280	300/300 - 400/355
Tensile Elongation, Grab (warp/fill)	ASTM D751A	%	25/25 - 35/40	25/25 - 45/35	25/25 - 35/35
Tear Strength, Tongue (warp/fill)	ASTM D5884	lbs	80/80 - 161/188	80/80 - 115/200	80/80 - 150/85
Puncture Rod	ASTM D751A	lbs	75 - 96	80 - 95	95 - 105
Ply Adhesion Strength	Method 2031	lbs / in	20 - 25	20 - 30	20 - 30
Low Temperture Bend	ASTM D4833	F°	-70° - -70°	-70° - -70°	-70° - -70°
Abrasion Resistance (H18/1 kg)	ASTM D751	cycles	5,000 - 6,000	15,000 - 18,000	20,000 - 30,000
Ozone Resistance (100 pphm @ 40C)	ASTM D1204		Pass	Pass	Pass
Oxidative Induction Time	ASTM D3389	min	100 - 385	100 - 600	100 - 600
Hydraulic Conductativity	ASTM D2136	cm / sec	1.0 x 10	1.0 x 10	1.3 x 10
Seam Shear Strength	ASTM D7238	lbs / in	90 - 97	100 - 110	120 - 130
Seam Peel Strength	ASTM D751	lbs / in	20 - 36	20 - 50	20 - 85

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

ATLAS

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