

Test Method		Units	Min / Typical	Min / Typical
Thickness		mil.	36	45
Breaking Strength (warp/fill)	ASTM D751A	lbs	275/250 - 315/300	300/250 - 350/325
Break Elongation (warp/fill)	ASTM D751A	%	22/22 - 35/35	22/22 - 35/35
Tear Strength (warp/fill)	ASTM D5884	lbs	100/100 - 140/140	100/100 - 140/140
Hydrostatic Resistance	ASTM D751A	psi	350 - 400	350 - 450
Puncture Resistance (pyramid)	Method 2031	lbs	300 - 325	300 - 350
Puncture Resistance (flat Tip)	ASTM D4833	lbs	75 - 85	85 - 90
Ply Adhesion	ASTM D751	lbs / in	45/2 - 45/2	40/2 - 50/2
Dimensional Stability	ASTM D1204	% max	1.0 - 0.5	1.0 - 0.5
Abrasion Resistance (H18/1 kg)	ASTM D3389	cycles	7,500 - 10,000	7,500 - 10,000
Low Temperature Bend	ASTM D2136	F°	-40 - -40	-40 - -40
UV Resistance - No Chalking/Cracking	ASTM D7238	hrs	20,000 - 40,000	20,000 - 40,000
UV Resistance (20K hrs.) Tensile Strength and Elongation Retained	ASTM D751	%	>50 - >92	>50 - >92
Bonded Seam Strength	ASTM D7749	lbs	200 - 240	200 - 260
Seam Peel Adhesion	ASTM D6636	lbs / in	20 - 30	20 - 35

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

RPP, or Reinforced Polypropylene, 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

Ponds, Lakes, Canals, Drop-In Tank Liners, Potable Water Storage, Irrigation Reservoirs

ATLAS

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