

Reinforced Polypropylene (RPP) geomembrane is a three-ply polyester reinforced liner designed for long-term and exposed potable and industrial waste applications. The membrane is made from a UV-stabilized and chemically inert polypropylene copolymer which provides for excellent flexibility, chemical resistance and dimensional stability. This liner also boasts a low thermal coefficient of expansion and contraction, making it ideal for exposed applications where wrinkles causing slack and tension due to temperature fluctuations may be a problem.

- Tank Linings
- Wastewater Treatment Facilities
- Oil Field Pit Liners
- Secondary Containment
- Evaporation Pond Liners
- Reservoirs
- Tank Floors
- Mine Tailings
- Detention and Retention Ponds
- Wastewater Ponds

Certified Properties – GRI GM 18

	ASTM	36 Mil	45 Mil
Mass per Unit Area – lb/ft ² (min. ave.)	D-5261	0.15	0.18
Thickness			
Nominal (mils)	D-5199	36	45
min. ave. (mils)		32	40
Tensile Strength			
Grab – lb (min. ave.)	D-7004	200	250
Tensile Elongation			
Grab - % (min. ave.)	D-7004	22	22
Tear Resistance – lb (min. ave.)	D-5884	55	55
Puncture Resistance - lb (min. ave.)	D-4833	75	85
Ply Adhesion – lb/in. (min. ave.)	D-6636	15	15
Low Temperature Flexibility - °F	D-2136	-40	-40
Carbon Black Content - %	D-4218	2-15	2-15
Ultraviolet Light Resistance	D-7238 @ 70°C		
(a) % strength retained after 20,000 light hrs	D-6693-IV	≥50	≥50
-or-			
(b) % elongation retained after 20,000 light hrs.	D-6693-IV	≥50	≥50
-and-			
(c) Surface Cracking Observation after 20,000 light hrs	GM16	None	None
(d) Surface Chalking (or Powdering) after 20,000 light hrs.	GM23	Minor	Minor

Seam Strength

Shear Strength (lbs/in. min.) - GRI 19b	D-7747	50	60
Peel Strength (lbs/in. min.) - GRI 19b	D-7747	25	25