

Polypropylene

40 mil

Polypropylene is a highly flexible, non-reinforced geomembrane suitable for a wide variety of applications. Its high puncture strength, flexibility chemical and UV resistance make it an excellent choice for buried and exposed applications where differential settlement may be an issue. Polypropylene is also a perfect choice for projects where large fabricated panels can be used, saving time and installation costs.

- Aquaculture Applications
- Sewage Lagoons
- Ash Pond Closures
- Evaporation Ponds
- Mining Operations
- Golf Course and Decorative Ponds
- Industrial Waste Applications
- Mining Applications
- Water Reservoirs
- Heap Leach

Certified Properties – GRI GM 18

ASTM

Mass per Unit Area (min. ave.)	D-5261	0.16 lb/ft ²
Thickness Nominal min. ave.	D-5199	40 mil 36 mil
Tensile Strength Dumbbell (min. ave.)	D-6693-IV	72 lb/in
Tensile Elongation Dumbbell (min. ave.)	D-6693-IV	700%
Multiaxial Elongation	D-5617	120%
Tear Resistance	D-1004	12 lb
Puncture Resistance (min. ave.)	D-4833	30 lb
Low Temperature Flexibility	D-2136	-40 °F
Carbon Black Content	D-4218	2-15%
Ultraviolet Light Resistance (a) % strength retained after 20,000 light hrs -or- (b) % elongation retained after 20,000 light hrs. -and- (c) Surface Cracking Observation after 20,000 light hrs (d) Surface Chalking (or Powdering) after 20,000 light hrs.	D-7238 @ 70°C D-6693-IV D-6693-IV GM16 GM23	≥50 ≥50 None Minor

Seam Strength

Shear	D-6392	30 lb/in
Peel	D-6392	25 lb/in