



The Liner Company

SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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49686

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www.geomembrane.com

40 mil Polypropylene Specifications

TYPICAL APPLICATIONS:

Lagoons

Ponds

Floating Covers and Similar Containments

Hydroponic Farming Applications

This unsupported geomembrane is made from non-reinforced polypropylene polymer and provides a versatile flexible geomembrane liner.

The chemically inert polymer is modified to provide many specialized properties that include excellent flexibility, low thermal coefficient of expansion and contraction, outstanding dimensional stability, wide temperature range for excellent seaming and good chemical resistance in exposed liner applications. All factory and field seams are thermally welded.

Material Properties:

Gauge, Nominal (mils)	ASTM D5199	40 ± 5%
Density	ASTM D792	0.90 g/cc
Tensile Properties	ASTM D882	
Breaking Strength		72 lb/in
Break Strain		700%
Multi-Axial Elongation %	ASTM D5617	120
Tear Resistance	ASTM D1004	12 lb
Puncture Resistance	ASTM D4833	30 lb
Carbon Black Content	ASTM D1603	2-3 %
Dimensional Stability (% Change Max.)	ASTMD1204	1 %
Low Temperature	ASTM D1236,	-40°F

Factory & Field Seam Strength Properties:

Shear Strength	ASTM D6392	30 lb/in width
Peel Strength	ASTM D6392	25 lb/in width

Preserving water resources for future generations

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