



# SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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## 50 mil PVC Geomembrane Specifications

PVC liners fabricated by EPI are a single-ply construction with Polyvinyl Chloride as the principle polymer. Only first quality virgin resins are used and all materials meet or exceed the requirements of ASTM D7176 Standard Specification for PVC geomembranes used in buried applications.

EPI utilizes statistical process control (SPC) to ensure the integrity of each panel produced. Samples from actual factory seams are removed during the welding process for a rigorous, proven testing procedure that assures you of the highest quality factory-fabricated PVC geomembranes available.

PVC Liners are fabricated by EPI in panels, accordion-folded in both directions, and packaged for shipment to your site for quick, easy installation to save you time and money.

Thickness ± 5%	ASTM D-5199	.050"
Specific Gravity (min)	ASTM D-792	1.20
Tensile (lb/in-width, min)	ASTM D-882	116
Elongation at Break (% min)	ASTM D-882	430
Modulus (lb/in-width, min)	ASTM D-882	50
Tear Resistance (lb/in, min)	ASTM D-1004	13
Resistance to Soil Burial (% change, max)	ASTM G-160	
1. Breaking Factor		5
2. Elongation At Break		20
3. Modulus at 100% Elongation		20
Impact Cold Crack (°C)	ASTM D-1790	-29
Dimensional Stability (% change, max)	ASTM D-1204 (212°F/15 min.)	3
Water Extraction (% max)	ASTM D-1239	0.20
Volatile Loss (% max)	ASTM D-1203(A)	0.50
Hydrostatic Resistance (psi, min)	ASTM D-751(A)	150
Plasticizer Min Ave Molec Wt	ASTM 2124	400
<b>Factory Fabricated Seams:</b>		
Peel Strength (lbs/in, min)	ASTM D-7408	15
Shear Strength (lbs/in, min)	ASTM D-7408	92.8

*These data are based on tests believed to be reliable. However, these are laboratory tests that may not simulate actual use conditions. They are provided for your informational purposes only. No warranty, express or implied, including any other further warranty of fitness for a particular purpose or merchantability, is made by this promotional literature.*

*Preserving water resources for future generations*