



# US CONSTRUCTION FABRICS LLC

8 Ledge Rd, Windham, NH 03087

(603) 893-5480, Fax (603) 893-2154

[www.usconstructionfabrics.com](http://www.usconstructionfabrics.com)

Wholesale Distribution

CONSTRUCTION FABRICS, LINERS, & ENVIRONMENTAL PRODUCTS

## 30 mil PVC Geomembrane Specifications

### TYPICAL APPLICATIONS:

**Reservoirs**

**Canals**

**Sewage Lagoons**

**Landfill Closures**

**Soil Remediation**

**Farms Ponds**

**Water Features**

**Irrigation Ponds**

**Golf Course Ponds**

**Heap Leach Pads**

**Industrial Waste Ponds**

**Tailing Ponds**

Fabricated PVC liners 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.

A 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 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 $\pm$ 5%	ASTM D-5199	.030"
Specific Gravity (min)	ASTM D-792	1.20
Tensile (lb/in-width, min)	ASTM D-882	73
Elongation at Break (% min)	ASTM D-882	380
Modulus (lb/in-width, min)	ASTM D-882	30
Tear Resistance (lb/in, min)	ASTM D-1004	8
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 ( $^{\circ}$ C)	ASTM D-1790	-29
Dimensional Stability (% change, max)	ASTM D-1204 (212 $^{\circ}$ F/15 min.)	3
Water Extraction (% max)	ASTM D-1239	0.15
Volatile Loss (% max)	ASTM D-1203(A)	0.70
Hydrostatic Resistance (psi, min)	ASTM D-751(A)	100
Plasticizer Min Ave Molec Wt	ASTM 2124	400

### **Factory Fabricated Seams:**

Peel Strength (lbs/in, min)	ASTM D-882	15
Shear Strength (lbs/in, min)	ASTM D-882	58.4

*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.*