INTERNATIONAL COVER SYSTEMS

12 mil, 16 mil, 20 mil Woven Coated Polyethylene

Woven Coated Polyethylene liners are manufactured by laminating a layer or multiple layers of woven HDPE tape scrim between two or more sheets of polyethylene film. This process results in a high strength, light weight, UV stable product suitable for many containment needs. It is a cost effective, durable membrane used effectively in many cover and containment applications.

- Athletic Field Covers & Tarps
- Grain and Silage Pile Covers
- Alternate Daily Covers
- Mud Pit Liners
- Aquaculture
- Fracking
- Decorative Ponds
- Temporary Rain Covers
- Soil Remediation
- Oilfield

Certified Properties	ASTM	12 Mil	16 Mil	20 Mil
Thickness (mils)	D-751	12	16	20
Grab Tensile Strength (lb)	D-7004	MD 180 TD 125	MD 210 TD 190	MD 250 TD 340
Strip Tensile (lb/in.)	D-7003	MD 140 TD 100	MD 135 TD 130	MD 175 TD 270
Tongue Tear (lb)	D-5884	MD 50 TD 50	MD 60 TD 60	MD 75 TD 75
Mullen Burst (lb/in.^{2})	D-751	275 psi	375 psi	550 psi
MVTR (g/m^2-day)	E-96	0.35	0.40	0.40
Hydraulic Conductivity (Permeability)	Calculated from MVTR	0.88 x10^{-12} cm/s	1.97x10^{-12} cm/s	197x10^{-12} cm/s
Hydrostatic Resistance	D-751	130 psi	97 psi	139 psi
Puncture Resistance	D-4833	76 lb	113 lb	140 lb
CBR Static Puncture	D-6241	530 lb	922 lb	973 lb
Carbon Black Content	D-4218	3%	3%	3%
Dimensional Stability	D-1204	MD -3.6 % TD -2.42%	MD -3.6% TD -3.4%	MD -4.3% TD -1.8%
Low Temperature Flex @ -40°F	D-2136	Pass @ -40°F	Pass @ -40°F	Pass @ -85°F
HP – OIT (minutes)	D-5885	1330	2122	1684
Accelerated UV Weathering	G-151	>90% strength after 2000 hrs exposure @ 0.77 W/m^2/nm		

Seam Strength

Shear Strength (lbs/in. min.)	D-751	116		
Peel Strength (lbs/in. min.)	D-4851	3		