



The Liner Company

SOLUTIONS

ENVIRONMENTAL PROTECTION, INC.

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Agricultural Waste Lagoons

According to the NRCS, current regulations proposed by the EPA may increase the need or require animal waste ponds to be lined with a synthetic liner. The current minimum thickness for these liners is 40 mils.

Enviro Liner® is a Proprietary Polyolefin that has properties similar to an LLDPE base with additives which include UV inhibitors and an antioxidant package. This specific combination of ingredients allows the 6000 series of *Enviro Liner®* in 30 and 40 mil thicknesses to carry a **20 year exposed warranty**.

Enviro Liner® can be fabricated in custom sized panels up to 20,000 square feet. This will significantly reduce the number of field seams and possibly eliminate them altogether for many lagoons.

The excellent properties associated with the *Enviro Liner®* 6000 series makes it an excellent choice for a wide variety of exposed and covered applications.

		Enviro Liner® 6000 Minimum Properties		
Style	ASTM	Enviro Liner® 6020	Enviro Liner® 6030	Enviro Liner® 6040
Thickness (Nominal)	D5199	20 mil 0.5 mm	30 mil 0.75 mm	40 mil 1.0 mm
Tensile Strength at Break	D638	77 ppi 13.5 N/mm	115 ppi 20.1 N/mm	152 ppi 26 N/mm
Elongation	D638	800%	800%	800%
Tear Resistance	D1004	11 lbs 49 N	16 lbs 71 N	22 lbs 98 N
Low Temp Impact Resistance	D1790	-94°F -70°C	-94°F -70°C	-94°F -70°C
Dimensional Stability	D1204 Max Chang	1.5%	1.5%	1.5%
Puncture Resistance	D4833	32 lbs 142 N	48 lbs 213 N	61 lbs 271 N
UV Resistance %HPOIT ¹ Retained (Black Styles Only)	D5885		80% at 20,000 hours	80% at 20,000 hours

(1) HPOIT is High Pressure Oxidative Induction Time>



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www.geomembrane.com