

ENVIRO LINER® 1000 - GEOMEMBRANE

With its exceptional flexibility and endurance properties, Layfield's Enviro Liner® (EL) brand of geomembranes has been a trusted performer in our portfolio for many years. Available in four unique formulations, this series of geomembranes offers solutions for a wide range of containment applications.

Enviro Liner® 1000 is a flexible membrane liner developed for the containment of drilling fluids and water used in hydraulic fracturing operations.

	April 2023		E			
	Rev	ASTM	Enviro Liner® 1020	Enviro Liner® 1030	Enviro Liner® 1040N	Enviro Liner® 1040
	Thickness	D5199	20 mil 0.5 mm	30 mil 0.75 mm	36 mil 0.91 mm	40 mil 1.0 mm
	Density (typical)	D792	0.93	0.93	0.93	0.93
ties	Tensile Strength at Break	D6693	76 ppi 13 N/mm	114 ppi 20 N/mm	136 ppi 24 N/mm	152 ppi 27 N/mm
Properties	Elongation	D6693	800%	800%	700%	800%
Material Pı	Tear Resistance	D1004	11 lbs 49 N	16 lbs 70 N	19 lbs 84 N	22 lbs 100 N
Mat	Puncture Resistance	D4833	29 lbs 120 N	42 lbs 190 N	54 lbs 240 N	56 lbs 250 N
	Carbon Black Content	D6370	≥ 2.0%	≥ 2.0%	≥ 2.0%	≥ 2.0%
	High Pressure OIT	D5885	400 min	400 min	N/A	400 min
	Low Temperature Impact Resistance	D746	-69°F -56°C	-69°F -56°C	-40°F -40°C	-69°F -56°C
	Service Temperatures	Max Continuous Use	140°F 60°C	140°F 60°C	140°F 60°C	140°F 60°C

Disclaimer: Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com



111111



ENVIRO LINER® 1000 - GEOMEMBRANE

April 2023		Enviro Liner® 1000 Shop Seam Strengths			
Style	ASTM	Enviro Liner®	Enviro Liner®	Enviro Liner®	Enviro Liner®
	D6392	1020	1030	1040N	1040
Heat Bonded Seam Strength	25.4 mm	30 ppi	45 ppi	50 ppi	60 ppi
	(1") Strip	5.2 N/mm	7.7 N/mm	8.7 N/mm	10.3 N/mm
Peel Adhesion Strength	25.4 mm	25 ppi	38 ppi	45 ppi	50 ppi
(Wedge Welded	(1") Strip	4.3 N/mm	6.5 N/mm	7.9 N/mm	8.7 N/mm

April 2023	Enviro Liner® 1000 Field Seam Strengths					
Style	ASTM	Enviro Liner®	Enviro Liner®	Enviro Liner®	Enviro Liner®	
	D6392	1020	1030	1040N	1040	
Heat Bonded Seam Strength	25.4 mm	30 ppi	45 ppi	50 ppi	60 ppi	
	(1") Strip	5.2 N/mm	7.7 N/mm	8.7 N/mm	10.3 N/mm	
Peel Adhesion Strength	25.4 mm	22 ppi	34 ppi	40 ppi	44 ppi	
(Wedge Welded	(1") Strip	3.8 N/mm	5.9 N/mm	7.0 N/mm	8.7 N/mm	

Disclaimer: Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com



Hilling