

The Absolute Barrier® geomembrane is comprised of very flexible, linear-low-density polyethylene (LLDPE) with an inner core of chemically resistant EVOH barrier resin. A robust stabilization package which provides both thermal and UV protection is paired with the core vapor barrier and exceptional tear and impact resistance provided by the LLDPE, making this liner ideal for a wide variety of exposed applications.

- EPS Geofoam Protection
- Landfill Caps
- Temporary Landfill Gas Cover
- Underslab VOC, Radon, Methane & Vapor Barrier
- Leachate Collection Ponds
- Remediation Cover / Liner
- Odor Control Barrier
- Secondary Containment
- Brownfield Sites

Certified Properties – Typical Values

	ASTM	30 mil	40 mil
Thickness	D-5199	30 mils	40 mils
Weight		.15 lbs/sf	.205 lb/sf
Tensile Strength at Break	D-6693	100 lb/in	140 lb/in
Tensile Elongation at Break	D-6693	600%	650%
Tear Strength	D-1004	22 lbs	27 lbs
Puncture Resistance	D-4833	75 lbs	90 lbs
Oxidation Induction Time (OIT) or High Pressure OIT (HOPIT)	D-3895 D-5885	250 min 400 min	250 min 400 min
Carbon Black Content	D-4218	2.3%	2.3%
Carbon Black Dispersion	D-5596	Pass	Pass
Benzene Permeance		1.93E ⁻¹³ m/s	1.81E ⁻¹³ m/s
Toluene Permeance		7.77E ⁻¹⁴ m/s	7.28E ⁻¹⁴ m/s
Ethylbenzene Permeance		1.78E ⁻¹⁴ m/s	1.67E ⁻¹⁴ m/s
M & P-Xylene Permeance		2.03E ⁻¹⁴ m/s	1.91E ⁻¹⁴ m/s
O-Xylene Permeance		1.83E ⁻¹⁴ m/s	1.71E ⁻¹⁴ m/s
Methane Permeance	D-1434	<4.93E ⁻¹³ m/s	<3.70E ⁻¹³ m/s
Hydrogen Sulfide		1.45E ⁻⁰⁹ m/s	1.09E ⁻⁰⁹ m/s
Perchloroethylene (PCE)		5.57E ⁻¹⁵ m/s	5.22E ⁻¹⁵ m/s
Trichloroethylene (TCE)		5.60E ⁻¹⁵ m/s	5.25E ⁻¹⁵ m/s
Cold Temperature Impact	D-746	-40° F	-40° F
Maximum Static Use Temperature		180° F	180° F

Seam Strength

Shear	D-6392	75 lbs/in	90 lbs/in
Peel	D-6392	60 lbs/in	70 lbs/in