

# ProLiner LDPE SMOOTH GEOMEMBRANE

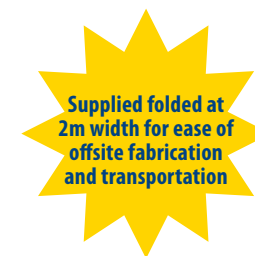
### DESCRIPTION:

LDPE geomembranes have a generalised use as fundamental waterproofing materials for the lining of leachate pads, channels, dams & containment structures. The LDPE product is highly flexible and suitable for applications that require a high degree of flexibility. ProLiner geomembranes are manufactured with virgin resins of polyethylene which are specially formulated & certified. During the manufacturing process, the highest technology in blown-film co-extrusion is used. LDPE Geomembranes have a density of 0.925 to 0.935 g/cm<sup>3</sup>.

LDPE has a high UV resistance (2-3% carbon black). ProLiner geomembranes satisfy industrial requirements & are manufactured to be resistant to chemicals & minerals in a variety of applications. Available in rolls of up to 200m long x 7.5m wide (supplied folded at 2m width). The supply of ProLiner LDPE in folded form greatly assists in transportation and offsite fabrication.

Other roll dimensions available.

PROPERTIES	UNIT	TEST METHOD	STANDARD 0.30MM	STANDARD 0.40MM	STANDARD 0.50MM	STANDARD 0.75MM
Thickness Average	mm	ASTM D 5199	0.30	0.40	0.50	0.75
Thickness Minimum (-10%)	mm	ASTM D 5199	0.27	0.36	0.45	0.68
Density (max)	g/cm <sup>3</sup>	ASTM D 792	0.935	0.935	0.935	0.935
Tensile Properties:		ASTM D 6693				
<i>Break Strength</i>	kN/m	Type IV	5	7	10	23
<i>Break Elongation</i>	%		550	550	550	550
Tear Resistance	N	ASTM D 1004	25	35	50	115
Puncture Resistance	N	ASTM D 4833	100	150	200	450
Carbon Black Content	%	ASTM D 1603	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Carbon Black Dispersion	Cat	ASTM D 5596	1-2	1-2	1-2	1-2
Oxidative Induction Time (OIT)	min	ASTM D 3895	100	100	100	100



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ProLiner is manufactured to ISO9001, quality assurance procedure. Properties of ProLiner are minimum typical roll values unless otherwise noted. (GM) refers to the Geosynthetic Research Institute GRI-USA.

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#### SYDNEY

P: (02) 9631 0744  
F: (02) 9631 0755  
E: info@globalsynthetics.com.au

#### BRISBANE

P: (07) 3865 7000  
F: (07) 3865 4444

#### PERTH

P: (08) 9459 4300  
F: (08) 9459 4311

www.globalsynthetics.com.au