



## Ultra-Land Line

### Technical Data Sheet LLDPE Membrane 1.5mm

**LLDPE 1.5mm membrane** is a low density PE geomembrane for use in landfill, tunnel, reinforcement, drainage and separation applications. It has been stabilized to resist degradation due to ultraviolet exposure and is resistant to commonly encountered mildew, insects and soil chemicals, and is non-biodegradable.

#### SPECIFICATIONS:

The **LLDPE 1.5mm membrane** will utilize the following characteristics:

PROPERTY	TEST METHOD	UNIT	MIN. AVG.ROLL VALUE	
Thickness	ASTM D5199	mm	1.5	
Tensile Strength	ASTM D6693	KN/m	23	
Break Elongation	ASTM D6693	%	400	
Grab Tensile Elongation	ASTM D6693	%	7%	-
CBR Puncture	ASTM D4833	KN/m	400	
Trapezoid Tear Strength	ASTM D1004	N	150	
Carbon Black Content	ASTM D4218	%	2%	
Carbon Black Dispersion	ASTM D5596	Category	Cat. 1 / Cat. 2	
Oxidation Induction Time Standard OIT High Pressure OIT	ASTM D8117 ASTM D5885	Min	>100 >400	
UV Resistance @1500 hrs	ASTM D7328	% Retained	>35%	-
Oven Aging at 85 degree C (3) Standard OIT - % Retained after 90 days High Pressure OIT Retained after 90 days	ASTM D5721 ASTM D8117 ASTM D5885	% Retained	> 35% > 60%	-

Values quoted above are the result of multiple tests conducted at an independent testing facility. LLDPE 1.5mm membrane meets or exceeds values listed.

<sup>1</sup> Values apply to both machine and cross- machine directions.

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