



Ultra-Land Liner Technical Data Sheet HDPE Membrane 1mm

HDPE 1mm membrane is a high 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 **HDPE 1mm membrane** will utilize the following characteristics:

PROPERTY	TEST METHOD	UNIT	MIN. AVG.ROLL VALUE	
Thickness	ASTM D5994	mm	1	
Tensile Strength	ASTM D6693	KN/m	18	
Break Elongation	ASTM D6693	%	500	
Grab Tensile Elongation	ASTM D6693	%	13%	-
CBR Puncture	ASTM D4833	N	267	
Trapezoid Tear Strength	ASTM D1004	N	135	
Carbon Black Content	ASTM D4218	%	2%	
Carbon Black Dispersion	ASTM D5596	Category	Cat. 1 / Cat. 2	
Oxidation Induction Time ST OIT / HP OIT	ASTM D3895	Min	>100 / >400	
UV Resistance @1600 hrs HP OIT	ASTM D4355 ASTM D5885	%	>75%	-
Maximum Dimensional Stability	ASTM D1204 1 hour at 100 degree C	%	+/- 1.5%	-

Values quoted above are the result of multiple tests conducted at an independent testing facility. HDPE 1mm membrane meets or exceeds values listed. ¹ Values apply to both machine and cross- machine directions.

PACKING:

Roll Width	Ft (m)	26 ft (8 m)
Roll Length	Ft (m)	623-689 ft. (190-210 m)
Roll Area	YD ² (m ²)	1817-2009 YD ² (1520-1680 m ²)

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