



# HDPE TEXTURED GEOMEMBRANE



## GeoLiner HMT 2.0

GeoLiner HMT is made of high density polyethylene (HDPE) material and is a textured geomembrane liner on one side. High elasticity and shear strength properties provide superior sealing performance in mining sites and waste storage areas.

MECHANICAL - PHYSICAL PROPERTIES	VALUE	UNIT	TOLERANCE
<b>Thickness</b> ASTM D 5199	2.0	mm	+/-5%
<b>Roughness Height</b> ASTM D 7466	0.40	mm	(min. Avg.)
<b>Tensile Properties (ASTM D 6693)</b>			
<b>Tensile strength at yield</b>	30	kN/m	(min. Avg.)
<b>Tensile strength at break</b>	21	kN/m	(min. Avg.)
<b>Elongation at yield</b>	12	%	(min. Avg.)
<b>Elongation at break</b>	100	%	(min. Avg.)
<b>Tear Resistance</b> ASTM D 1004	249	N	(min. Avg.)
<b>Static Puncture Resistance (CBR)</b> ASTM D 4833	≥ 0.534	kN	(min. Avg.)
<b>Dimensional Stability (each direction)</b> ASTM D 1204	+/- 2	%	-
<b>RAW MATERIAL CHARACTERISTICS</b>			
<b>Density</b> ASTM D 1505	≥ 0.940	g/cm <sup>3</sup>	-
<b>Melt Flow Index</b> ASTM D 1238	≤ 3	g/10 min	-
<b>Carbon Black Content</b> ASTM D 4218	2-3	%	-
<b>Carbon Black Dispersion</b> ASTM D 4218	1/2	Category	-
<b>DURABILITY UV RESISTANCE</b>			
<b>UV Resistance</b>		Yes	
<b>Oxidative Induction Time (OIT)</b> ASTM D 3895	≥ 100	min	-
<b>Stress Cracking Resistance</b> ASTM D 5397	≥ 500	hour	
<b>Oven Aging-HP OIT (after 90 days)</b> ASTM D 5585	80	%	(min. Avg.)

### APPLICATION AREAS



### FUNCTIONS



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NOTES:

1. Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.
2. NCTL for Geomas Textured is conducted on representative smooth geomembrane samples.