



## HDPE TEXTURED GEOMEMBRANE

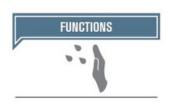


## GeoLiner HMT 2.0

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
Thickness ASTM D 5199	2.0	mm	+/-5%
Roughness Height ASTM D 7466	0.40	mm	(min. Avg.)
Tensile Properties (ASTM D 6693)			
Tensile strength at yield	30	kN/m	(min. Avg.)
Tensile strength at break	21	kN/m	(min. Avg.)
Elongation at yield Elongation at break	12	%	(min. Avg.)
	100	%	(min. Avg.)
Tear Resistance ASTM D 1004	249	N	(min. Avg.)
Static Puncture Resistance (CBR)	≥ 0.534	kN	(min. Avg.)
ASTM D 4833			
Dimensional Stability (each direction) ASTM D 1204	+/- 2	%	-
RAW MATERIAL CHARACTERISTICS			
Density	≥ 0.940	g/cm <sup>3</sup>	-
ASTM D 1505			
Melt Flow Index	≤ 3	g/10 min	-
ASTM D 1238		C,	
Carbon Black Content	2-3	%	-
ASTM D 4218			
Carbon Black Dispersion	1/2	Category	-
ASTM D 4218			
<b>DURABILITY UV RESISTANCE</b>			
UV Resistance		Yes	
Oxidative Induction Time (OIT)	≥ 100	min	_
ASTM D 3895		111111	
Strace Cracking Pacietance	≥ 500	hour	
Stress Cracking Resistance ASTM D 5397	_ 500	11001	
Oven Asins IID OIT (after 00 days)	80	%	(min. Avg.)
Oven Aging-HP OIT (after 90 days) ASTM D 5585	00	70	(IIIIII. Avg.)





\*For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the factibility to modify standard and characteristics at the product without any warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement

## 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.



