



HDPE TEXTURED GEOMEMBRANE



GeoLiner HDT 2.0

GeoLiner HDT is made of high density polyethylene (HDPE) material and is a textured geomembrane liner on both sides. 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	mm	+/- 10%
Roughness Height ASTM D 7466	0.25	mm	(min. Avg.)
Tensile Properties (ASTM D 6693)			
Tensile strength at yield	30	kN/m	(min. Avg.)
Tensile strength at break	29	kN/m	(min. Avg.)
Elongation at yield	13	%	(min. Avg.)
Elongation at break	700	%	(min. Avg.)
Tear Resistance ASTM D 1004	268	N	(min. Avg.)
Static Puncture Resistance (CBR) ASTM D 4833	≥ 0.670	kN	(min. Avg.)
Dimensional Stability (each direction) ASTM D 1204	+/- 2	%	-
RAW MATERIAL CHARACTERISTICS			
Density ASTM D 1505	≥ 0.940	g/cm ³	-
Melt Flow Index ASTM D 1238	≤ 3	g/10 min	-
Carbon Black Content ASTM D 4218	2-3	%	-
Carbon Black Dispersion	1/2	Category	-
DURABILITY UV RESISTANCE			
UV Resistance		Yes	
Oxidative Induction Time (OIT) ASTM D 3895	≥ 100	min	-
Stress Cracking Resistance ASTM D 5397	≥ 500	hour	
Oven Aging-HP OIT (after 90 days)	80	%	(min. Avg.)

APPLICATION AREAS



FUNCTIONS



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