



HDPE SMOOTH GEOMEMBRANE

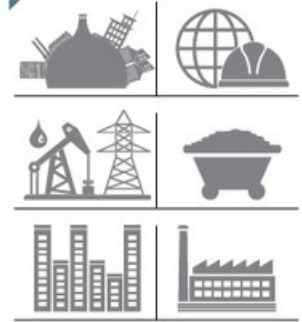


GeoLiner HDS 2.0

GeoLiner HDS is made of high density polyethylene (HDPE) material and is a smooth 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%
Tensile Properties (ASTM D 6693)			
Tensile strength at yield	32	kN/m	(min. Avg.)
Tensile strength at break	66	kN/m	(min. Avg.)
Elongation at yield	16	%	(min. Avg.)
Elongation at break	800	%	(min. Avg.)
Tear Resistance ASTM D 1004	275	N	(min. Avg.)
Static Puncture Resistance (CBR) ASTM D 4833	≥ 0.690	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	≤ 1	g/10 min	-
Carbon Black Content ASTM D 4218	2-3	%	-
Carbon Black Dispersion ASTM D 4218	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) ASTM D 5585	80	%	(min. Avg.)

APPLICATION AREAS



FUNCTIONS



*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

(*) Values in brackets are average minimum values. The rest are NOMINAL.