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## Product Specification Sheet

### AGA HDPE Geo-liner

A.G.A. HDPE geomembrane used in applications that require excellent chemical resistance and endurance properties.

AGA Geoliner is a smooth high density polyethylene (HDPE) geomembrane manufactured with the highest quality resin specifically formulated for a flexible geomembrane.

Property	Test method	Minimum Average Values				
		0.750	1.00	1.50	2.00	2.50
Thickness, (min average) mm	ASTM D 5199	0.675	0.90	1.35	1.80	2.25
Lowest individual reading, mm						
Density, g/cm <sup>3</sup>	ASTM D 1505	0.940	0.940	0.940	0.940	0.940
Tensile Properties (each direction)	ASTM D 6693, Type IV Dumbbell, 5mm/min	20	27	40	53	67
Strength at Break, N/mm			11	15	22	29
Strength at Yield, N/mm	G.L. 50 mm	700	700	700	700	700
Elongation at Break, %	G.L. 33 mm	12	12	12	12	12
Elongation at Yield, %						
Tear Resistance, N	ASTM D 1004	93	125	187	249	11
Puncture Resistance, N	ASTM D 4833	240	320	480	640	80
Carbon Black Content, % (Range)	ASTM D 1603*/4218	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Notched Constant Tensile Load, hr.	ASTM D 5397, Appendix	300	300	300	300	300
Oxidative Induction Time, minutes	ASTM D 3895, 200°C; O <sub>2</sub> , 1 atm	>100	>100	>100	>100	>100
Roll Length m ±1%		341	265	171	131	104
Roll Width m ±1%		6.86	6.86	6.86	6.86	6.86
Roll Area, m <sup>2</sup> ±1%		2,341	1,819	1,171	899	711

AGA HDPE smooth geomembranes are the preferred products for lining projects requiring low permeability, exceptional chemical and ultraviolet resistance properties, which makes them extremely cost-effective for many applications, such as:-Swimming pools and ponds and Aquaculture

AGA geomembranes have dimensional stability of ±2% when tested according to ASTM D 1204 and LTB of <-77° C when tested according to ASTM D 746.

\*Modified.

The A.G.A. Group provided this information for reference purposes only. This specification is not intended as a warranty or guarantee.

The company assumes no liability in connection with the use of this information.

Please contact us for current specifications and changes arising from new developments.

