

# HDPE GEOMEMBRANE

## Smooth



## SKAPS INDUSTRIES

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SKAPS HDPE Geomembranes are manufactured utilizing the highest quality standards to provide the greatest durability in geomembrane applications. The geomembrane is formulated to meet the requirements of GRI GM13 specifications.

PROPERTY	TEST METHOD	FREQUENCY	VALUE				QUALIFIER
Thickness (minimum avg), mil	ASTM D 5199	Per Roll	30	40	60	80	MAV <sup>(1)</sup>
Thickness (minimum), mil			27	36	54	72	MIN
Density, g/cc	ASTM D 1505	200,000 lb	0.940	0.940	0.940	0.940	MIN
Tensile Properties (both directions)	ASTM D6693 Type IV Specimen, 2 in/min	20,000 lb	66	88	132	176	
Strength at Yield, lb/in width							MAV
Elongation at Yield, % (1.3 in. GL)							MAV
Strength at Break, lb/in width							MAV
Elongation at Break, % (2 in. GL)			700	700	700	700	MAV
Tear Resistance, lb	ASTM D 1004	45,000 lb	21	28	42	56	MAV
Puncture Resistance, lb	ASTM D 4833	45,000 lb	60	80	120	156	MAV
Carbon Black Content, %	ASTM D 4218	20,000 lb	2-3				Range
Carbon Black Dispersion (Category)	ASTM D 5596	45,000 lb	Note (2)				Category
Stress Crack Resistance, hr.	ASTM D 5397, Appendix	200,000 lb	500				MIN
Oxidative Induction Time, minutes	ASTM D 3895 200°C, 1 atm O <sub>2</sub>	200,000 lb	100				MIN
<b>ROLL DIMENSIONS</b>							
Roll Length, ft			1,100	820	550	410	NOM
Roll Width, ft			23.5	23.5	23.5	23.5	
Roll Area, sf			25,850	19,270	12,925	9,635	

### Notes:

- (1) Minimum average value.
- (2) Carbon black dispersion (only near spherical agglomerates) for 10 different views:  
9 in Categories 1 or 2 and 1 in Category 3

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