

# HDPE GEOMEMBRANE

## Smooth



## SKAPS INDUSTRIES

571 Industrial Pkwy,  
 Commerce, GA 30529  
 Phone: (706) 336-7000  
 Fax: (706) 336-7007  
 E-Mail: contact@skaps.com

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					
Strength at Yield, lb/in width			63	84	126	168	MAV
Elongation at Yield, % (1.3 in. GL)			12	12	12	12	MAV
Strength at Break, lb/in width			114	152	228	304	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	54	72	108	144	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 8117 200°C, 1 atm O <sub>2</sub>	200,000 lb	100				MIN
<b>ROLL DIMENSIONS</b>							
Roll Length, ft			1,075	805	540	400	NOM
Roll Width, ft			24.0	24.0	24.0	24.0	
Roll Area, sf			25,800	19,320	12,960	9,600	

### 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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