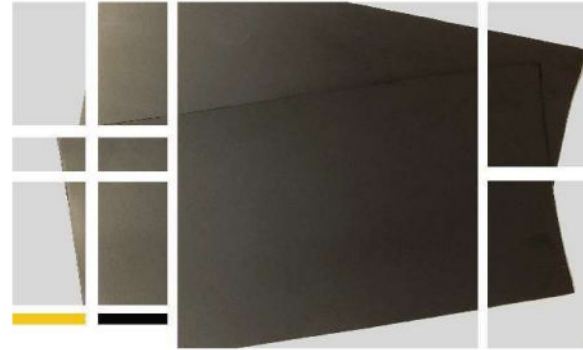


HDPE GEOMEMBRANE SMOOTH



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), mm	ASTM D 5199	Per Roll	0.750	1.00	1.50	2.00	MAV ⁽¹⁾
Thickness (minimum), mm			0.675	0.90	1.35	1.80	MIN
Density, g/cc	ASTM D 1505	90,000 Kg	0.940	0.940	0.940	0.940	MIN
Tensile Properties (both directions)	ASTM D 6693 Type IV Specimen, 50.8 mm/min	9,000 Kg					
Strength at Yield, kN/m width			11	15	22	29	MAV
Elongation at Yield, % (33 mm GL)			12	12	12	12	MAV
Strength at Break, kN/m width			20	27	40	53	MAV
Elongation at Break, % (50 mm GL)			700	700	700	700	MAV
Tear Resistance, N	ASTM D 1004	20,000 Kg	93	125	187	249	MAV
Puncture Resistance, N	ASTM D 4833	20,000 Kg	240	320	480	640	MAV
Carbon Black Content, %	ASTM D 4218	9,000 Kg	2-3				Range
Carbon Black Dispersion (Category)	ASTM D 5596	20,000 Kg	Note (2)				Category
Stress Crack Resistance, hr.	ASTM D 5397, Appendix	90,000 Kg	500				MIN
Oxidative Induction Time, minutes	TM D 3895 200°C, 1 atm	90,000 Kg	100				MIN
ROLL DIMENSIONS							
Roll Length, m			335.28	249.93	167.64	124.96	NOM
Roll Width, m			7.16	7.16	7.16	7.16	
Roll Area, sm			2,400.60	1,789.50	1,200.30	894.71	

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

This information is provided for reference purposes only and is not intended as a warranty or guarantee. SKAPS assumes no liability in connection with the use of this information.