

HDPE GEOMEMBRANE TEXTURED SINGLE & DOUBLE SIDED



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	0.75 mm	1.00 mm	1.50 mm	2.00 mm	QUALIFIER
Thickness (minimum avg), mm	ASTM D 5994	Per Roll	0.712	0.950	1.425	1.900	MAV ⁽¹⁾
Thickness (min 8 of 10), mm			0.675	0.900	1.350	1.800	MIN
Thickness (minimum), mm			0.637	0.850	1.275	1.700	MIN
Asperity Height, mm	ASTM D 7466	2nd Roll	0.40	0.40	0.40	0.40	MAV
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			8	10	16	21	MAV
Elongation at Break, % (50 mm GL)			100	100	100	100	MAV
Tear Resistance, N	ASTM D 1004	20,000 Kg	93	125	187	249	MAV
Puncture Resistance, N	ASTM D 4833	20,000 Kg	200	267	400	534	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	ASTM D 3895 200°C, 1 atm O ₂	90,000 Kg	100				MIN
ROLL DIMENSIONS (Double Sided)							
Roll Length, m			265.17	222.5	155.44	121.92	NOM
Roll Width, m			7.16	7.16	7.16	7.16	
Roll Area, sm			1,898.62	1,593.10	1,112.95	872.95	
ROLL DIMENSIONS (Single Sided)							
Roll Length, m			307.84	243.84	164.59	124.96	NOM
Roll Width, m			7.16	7.16	7.16	7.16	
Roll Area, sm			2,204.13	1,745.89	1,178.46	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

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