

GPS HD 12 mil Nominal HDPE Geomembranes

PROPERTY	TEST METHOD	TEST VALUE
Thickness, mil (mm) Nominal	ASTME D 5199	12 (0.30)
Density, g/cm ³	ASTME D 1505	0.94
Carbon Black Content, % ³	ASME C 1603, modified	2.0
Carbon Black Dispersion	ASTME D 5596	Note 1
Tensile Properties: (each direction)	ASTME D 6693 Type IV, 2 imp	
Strength at Yield, lb/in (kN/m)		20 (3.5)
Strength at Break, lb/in (kN/m)		38 (6.7)
Elongation at Yield, %	(1.3" gauge length)	10
Elongation at Break, %	(2.0" gauge length)	500
Tear Resistance, lb(N)	ASTM D 1004	6 (27)
Puncture Resistance, lb(N)	ASTM D 4833	19 (85)
Notched Constant Tensile Load, hours	ASTM D 5397, appendix	400
Oxidative Induction Time, min. ²	ASTM D 3895	100

Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be Category 1 or 2. No more than 1 view from Category 3.549