

TITAN 60MIL LLDPE

LLDPE Smooth geomembrane



Titan's 60mil polyethylene is produced from virgin polyethylene resins. It has outstanding flexibility and elongation characteristics. Titan's 60mil polyethylene contains approximately 97.5% polymer and 2.5% carbon black, antioxidants, and heat stabilizers, and contains no additives, fillers, or extenders. Titan's 60mil polyethylene does not contain plasticizers which can migrate to the surface, causing premature aging. Manufactured from virgin polyethylene resins, it is designed to provide a high-quality, economical geomembrane.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Thickness	ASTM D 5199	mil (mm)	60 (1.5) ± 10%
Density	ASTM D 792, Method B	g/cm ³	≤ 0.939
Tensile Strength at Break	ASTM D 6693	lb/in (kN/m)	228 (40)
Elongation at Break	ASTM D 6693	%	800
Tear Resistance	ASTM D 1004	lbs (N)	33 (147)
Puncture Resistance	ASTM D 1004	lbs (N)	84 (374)
Carbon Black Content	ASTM D 4218	%	2.0 – 3.0
Carbon Black Dispersion	ASTM D 5596	Note ¹	Note ¹
Oxidative Induction Time	ASTM D 3895, 200 °C, 1 atm O ₂	minutes	≥140

NOTE:

(1) 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.

(2) Roll lengths and widths have a tolerance of ±1 %. LLDPE is available in rolls weighing approximately 3,900 lb. All LLDPE geomembranes have dimensional stability of ±2% when tested according to ASTM D 1204 and LTB of <-77°C when tested according to ASTM D 746.

*Modified.

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