

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 40mil Polyethylene contains approximately 97.5% polymer and 2.5% carbon black, antioxidants, and heat stabilizers, and contains no additives, fillers, or extenders. Titan's 40mil 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.

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TESTED PROPERTY	TEST METHOD	FREQUENCY	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Thickness (min. ave.) Thickness (lowest indiv.)	ASTM D 5199	Per roll	mil (mm)	60 (1.5) 54 (1.35)
Density	ASTM D 792, Method B	200,00 lb	g/cc, max.	0.939
Tensile Properties (both directions) Strength at Break Elongation at Break	ASTM D 6693, Type IV 2in/minute	20,000 lb	lb/in width (N/mm) % (GL=2.0in)	240(42) 800
Tear Resistance	ASTM D 1004	45,000 lb	lbs (N)	37 (165)
Puncture Resistance	ASTM D 1004	45,000 lb	lbs (N)	90 (400)
Carbon Black Content	ASTM D 4218	20,000 lb	% (range)	2-3
Carbon Black Dispersion (Category)	ASTM D 5596	45,000 lb	Only near spherical agglomerates: 10 views in Cat. 1 or 2	
Oxidative Induction Time	ASTM D 3895, 200 °C, 1 atm O ₂	200,000 lb	minutes	≥140
TYPICAL ROLL DIMENSIONS				
Roll Width			ft (m)	23 (7)
Roll Length			ft (m)	540 (164)
Roll Area			ft ² (m ²)	12,420 (1,154)

NOTE: Average roll weight is 3,900 lbs (1,770 kgs).

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