



TITAN 20 mil LLDPE

ENVIRONMENTAL GEOMEMBRANE

LINER

Titan Environmental Containment Ltd's 20mil Polyethylene is produced from virgin polyethylene resins. It has outstanding flexibility and elongation characteristics. *Titan's 20mil Polyethylene* contains approximately 97.5% polymer and 2.5% carbon black, anti-oxidants and heat stabilizers, and contains no additives, fillers or extenders. *Titan's 20mil 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.

PROPERTY		M.A.R.V. (Minimum Average Roll Value)	TEST PROCEDURE
Thickness		20 mil ($\pm 10\%$) (0.5mm)	ASTM D 5199
Density		0.920 g/cm ³	ASTM D1505
Tensile Strength	Strength at break	76 lb/in-width (13 kN/m)	ASTM D 6693
	Elongation at break	800%	
Tear Resistance		11 lb (49N)	ASTM D 1004
Puncture Resistance		30 lb (130N)	ASTM D 4833
Dimensional Stability		$\pm 2\%$	ASTM D 1204
Carbon Black Content		> 2.0% / >2.5%	ASTM D 1603
Hydrostatic Resistance		118 psi (814 kPa)	ASTM D 751
U.V. Resistance GRI-GM-11		35%	ASTM D 5885
Low Temp. Impact Failure		< -94 ° F (-70° C)	ASTM D 746
Shop Shear Seam Strength		40 lb/in (7.0 kN/m)	ASTM D 4545
Shop Peel Seam Strength		30 lb/in (5.3 kN/m)	ASTM D 4545

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