



**TITAN 40mil LLDPE**  
**ENVIRONMENTAL GEOMEMBRANE**  
**LINER**

*Titan Environmental Containment Ltd's 40mil LLDPE is produced from virgin polyethylene resins. It has outstanding flexibility and elongation characteristics. Titan's 40mil LLDPE contains approximately 97.5% polymer and 2.5% carbon black, anti-oxidants and heat stabilizers, and contains no additives, fillers or extenders. Titan's 40mil LLDPE 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		40 mil (±10 %) (1.0 mm)	ASTM D 5199
Density		0.920 g/cm <sup>3</sup>	ASTM D1505
Tensile Strength	Strength at break	152 lb/in-width (27 kN/m)	ASTM D 6693
	Elongation at break		
Tear Resistance		22 lb (98N)	ASTM D 1004
Puncture Resistance		62 lb (276N)	ASTM D 4833
Dimensional Stability		± 2%	ASTM D 1204
Carbon Black Content		> 2.0% / >3.0%	ASTM D 1603
Hydrostatic Resistance		1206 kPa	ASTM D 751
U.V. Resistance GRI-GM-11		35%	ASTM D 5885
Low Temp. Impact Failure		< -94 ° F	ASTM D 746
Shop Shear Seam Strength		56 lb/in (9.8 kN/m)	ASTM D 4437
Shop Peel Seam Strength		48 lb/in (8.4 kN/m)	ASTM D 4437

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