

# TITAN R2010B

## 20mil ENVIRONMENTAL GEOMEMBRANE LINER



Titan's 20mil LLDPE is produced from virgin polyethylene resins. Titan's 20mil LLDPE is designed for great durability and outstanding chemical resistance equal to that of 60mil HDPE. It has outstanding flexibility and elongation characteristics. Titan's 20mil 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 20mil 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.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Appearance			Black
Thickness, nominal		mil (mm)	20 (0.51)
Weight		lbs/MSF (g/m <sup>2</sup> )	93 (453)
Tensile Strength @ Break 1" (2.54 cm)	ASTM D 6693	lbs (N)	75 (334)
Elongation at Break	ASTM D 6693	%	800
Tear Resistance	ASTM D 1003	lbf (N)	11 (49)
Hydrostatic Resistance	ASTM D 751	psi (kPa)	100 (689)
Puncture Resistance	ASTM D 4833	lbf (N)	30 (133)
Volatile Loss	ASTM D 1203	%	<1
Dimensional Stability	ASTM D 1204	%	<2
Maximum Use Temperature		°F (°C)	180 (82)
Minimum Use Temperature		°F (°C)	-70 (-57)
Perm Rating	ASTM E96 Method A	U.S. Perms (Metric Perms)	0.041 (0.027)
<b>FACTORY SEAM REQUIREMENTS</b>			
Bonded Seam Strength		lbf/in (N/cm)	33 (58)
Seam Peel Adhesion		lbf/in (N/cm)	28 (49)

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### TITAN ENVIRONMENTAL CONTAINMENT

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