



TITAN R2010B

ENVIRONMENTAL GEOMEMBRANE

LINER

(20mil LLDPE)

Titan Environmental Containment Ltd'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.

PROPERTY	TEST PROCEDURE	TITAN R2010B	
		English	Metric
Appearance		Black	
Thickness, Nominal		20 mil	0.51mm
Weight		93 lbs/MSF	453 g/m ²
Tensile Strength @ Break 1" (2.54cm)	ASTM D6693	75 lbs	334N
Elongation at Break	ASTM D6693	800%	800%
Tear Resistance	ASTM D1003	11 lbf	49N
Hydrostatic Resistance	ASTM D751	100 psi	689 kPa
Puncture Resistance	ASTM D4833	30 lbf	133 N
Volatile Loss	ASTM D1203	<1%	<1%
Dimensional Stability	ASTM D1204	<2%	<2%
Maximum Use Temperature		180°F	82°C
Minimum Use Temperature		-70°F	-57°C
Perm Rating	ASTM E96 Method A	0.041 U.S. Perms	0.027 Metric Perms
Factory Seam Requirements			
Bonded Seam Strength		33 lbf/in.	58N/cm
Seam Peel Adhesion		28 lbf/in.	49N/cm

This data is provided for informational purposes only. *Titan Environmental Containment Ltd.* makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damage. This information is subject to change without notice, please check with *Titan Environmental Containment Ltd.* for current updates.

Titan Environmental Containment Ltd.
 777 Quest Blvd • Ile des Chenes, Manitoba • R0A0T0 • CANADA
 Phone: +1.204.878.3955 Fax: +1.204.878.3980 Toll Free: +1.866.327.1957