



TITAN 520 SERIES
GEOMEMBRANE HDPE SMOOTH
LINER

(120 mil HDPE)

PROPERTY	TEST PROCEDURE	VALUE (metric)
Thickness (min avg.)	ASTM D-5199	3.0 mm (120mil)
Thickness (min)	ASTM D-5199	2.70 mm
Resin Density	ASTM D-1505	>0.932g/cc
Melt Index-190/2.16 (max.)	ASTM D-1238	1.0 g/10min.
Sheet Density	ASTM D-1505	>0.94 g/cc
Carbon Black Content	ASTM D-4218	>2.0% / <3.0%
Carbon Black Dispersion	ASTM D-5596	Category 1 / 2
Oxidation Induction Time (min. avg)	ASTM D-3895	100 min.
Tensile Properties (min. avg) (2)	ASTMD-6693	
Strength at Yield		44 kN/m
Elongation at Yield		13%
Strength at Break		79 kN/m
Elongation at Break		700%
Tear Resistance (min.avg)	ASTM D-1004	370 N
Puncture Resistance (min. avg)	ASTM D-4833	960 N
Dimensional Stability	ASTM D-1204	± 2%
Stress Crack Resistance (SP-NCTL)	ASTM D-5397	300 hr.
Oven Aging(min avg)	ASTM D-5721	55%
UV Resistance GRI-GM-11 (min avg)	ASTM D-5885	50%

SUPPLY SPECIFICATIONS	UNIT
Roll Dimensions – Width	6.77 m (22.2 ft)
Roll Dimensions – Length	80.77 m (265 ft)
Area (Surface/Roll)	547 m ² (5888 ft ²)

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