



**TITAN 440T SERIES**

**GEOMEMBRANE HDPE TEXTURED DS  
LINER**

**(40 mil HDPE Textured Double Sided)**

PROPERTY	TEST PROCEDURE	VALUE (metric)
Thickness (min avg.)	ASTM D-5994	0.95 mm (40 mil)
Lowest individual for 8 out of 10 values		0.90mm
Lowest individual for 10 out of 10 values		0.85
Asperity Height (min. avg) (3)	GRI-GM-12	0.25 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		15.3 kN/m
Elongation at Yield		13%
Strength at Break		15.3 kN/m
Elongation at Break		150%
Tear Resistance (min.avg)	ASTM D-1004	130 N
Puncture Resistance (min. avg)	ASTM D-4833	400 N
Dimensional Stability	ASTM D-1204	±2%
Stress Crack Resistance (SP-NCTL)	ASTM D-5397	300 hr.
Oven Aging-%retained after 90 days	ASTM D-5721	
HP-OIT (min.avg)	ASTM D-5885	80%
UV Resistance-% retained after 1600 hr	GRI-GM-11	
HP-OIT (min. avg.)	ASTM D-5885	50%

SUPPLY SPECIFICATIONS	UNIT
Roll Dimensions – Width	6.80 m (22.5 ft)
Roll Dimensions – Length	237.8 m (780 ft)
Area (Surface/Roll)	1617 m <sup>2</sup> (17,405 ft <sup>2</sup> )

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.

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