

# TITAN WOVEN COATED (RPE)

16mil WOVEN COATED GEOMEMBRANE



Commonly used for temporary landfill covers or short-term liners. Titan 16mil Woven Coated Geomembrane is a medium-weight fabric incorporating a coating designed to improve toughness and abrasion resistance.

## PRODUCT SPECIFICATIONS:

**Weave :** Woven black HDPE scrim  
**Coating :** LDPE 2.5mil average each side (59 g/m<sup>2</sup>/side)  
**Color :** Black, white or colored coatings available  
**Weight :** 7.2 oz/yd<sup>2</sup> (244 g/m<sup>2</sup>) ± 5%

## PERFORMANCE PROPERTIES:

The following data are typical values based on ASTM standard tests. This data should not be considered a specification.

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)	
			MD	TD
Thickness	ASTM D 1777	mil (mm)	Nominal 16 (0.40) ±10%	
Grab Tensile	ASTM D 7004	lbs (N)	210 (932)	190 (844)
Strip Tensile	ASTM D 7003	lb/in (N/5cm)	135 (1199)	130 (1154)
Tongue Tear - Large Scale	ASTM D 5884	lbs (N)	60 (266)	60 (266)
Mullen Burst	ASTM D 751	psi (kPa)	375 (2584)	
MVTR	ASTM E 96 Proc. BW	g/m <sup>2</sup> 24 hrs (perms)	0.24 (0.03)	
Hydraulic Conductivity (Permeability)	Calculated from MVTR	cm/s	5.42 x 10 <sup>-15</sup>	
Hydrostatic Resistance	ASTM D 751	psi (kPa)	97 (668)	
Puncture Resistance	ASTM D 4833	lbs (N)	113 (337)	
CBR Static Puncture	ASTM D 6241	lbs (N)	922 (2353)	
Carbon Black Content	ASTM D 4218	%	3	
Dimensional Stability	ASTM D 1204	%	-2.3	-2.0
Low-Temperature Flex	ASTM D 2136-94	Pass	-40°C	-40°F
HP-OIT	ASTM D 5885 (Measured on coating formulation)	Minutes	2122	
Accelerated UV Weathering	ASTM D 7238	after 2000 hours exposure @0.77 W/m <sup>2</sup> /nm, or 1200 hrs exposure @1.35 W/m <sup>2</sup> /mn	> 90% strength retention	

### NOTES:

MD = Machine Direction. TD = Transverse Direction

i Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

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## Titan Environmental Containment

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