

# TITAN WOVEN COATED (RPE)

30mil WOVEN COATED GEOMEMBRANE



Commonly used in hydraulic fracturing, tank liners, water reservoirs, and heavy-duty containment projects, Titan 30mil Woven Coated Geomembrane is a heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. One side is laminated LDPE/LLDPE film and the other has a coating designed to improve toughness and abrasion resistance. This product is intended for long-term buried or exposed applications.

## PRODUCT SPECIFICATIONS:

**Weave :** Woven black HDPE scrim

**Coating :** LDPE 4mil average each side (95 g/m<sup>2</sup>/side)

**Color :** Black, white or colored coatings available

**Weight :** 12.2 oz/yd<sup>2</sup> (414 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 30 (0.75) ±10%	
Grab Tensile	ASTM D 7004	lbs (N)	320 (1423)	320 (1423)
Strip Tensile	ASTM D 7003	lb/in (N/5cm)	200 (1751)	225 (1970)
Tongue Tear - Large Scale	ASTM D 5884	lbs (N)	70 (311)	90 (400)
Mullen Burst	ASTM D 751	psi (kPa)	550 (3795)	
MVTR	ASTM E 96 Proc. BW	g/m <sup>2</sup> 24 hrs (perms)	0.21 (0.03)	
Hydraulic Conductivity (Permeability)	Calculated from MVTR	cm/s	1.46 x 10 <sup>-14</sup>	
Hydrostatic Resistance	ASTM D 751	psi (kPa)	423 (2914)	
Puncture Resistance	ASTM D 4833	lbs (N)	175 (778)	
CBR Static Puncture	ASTM D 6241	lbs (N)	1025 (4551)	
Carbon Black Content	ASTM D 4218	%	3	
Dimensional Stability	ASTM D 1204	%	-2.2	-1.6
Low-Temperature Flex	ASTM D 2136-94	°C (°F)	Pass @ -65 (-85)	
HP-OIT	ASTM D 5885 (Measured on coating formulation)	Minutes	1071	
Accelerated UV Weathering	ASTM D 7238	after 10,000 light hours	> 90% strength retention	

## NOTES:

MD = Machine Direction. TD = Transverse Direction

i Q.U.V [A-340 Lamps]; 20 hrs UV @ 75°C; 4 hrs condensation @ 60°C

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**Titan Environmental Containment | Titan Environmental USA**

Toll free: 1-866-327-1957 | [info@titanenviro.com](mailto:info@titanenviro.com) | [TitanEnviro.com](https://TitanEnviro.com)

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