

TITAN WOVEN COATED (RPE)

24mil WOVEN COATED GEOMEMBRANE



Commonly used for interim landfill covers and short-term liners. Titan 24mil Woven Coated Geomembrane is a medium-weight fabric incorporating a coating designed to improve toughness and abrasion resistance and is intended for exposed applications for up to 5 years.

PRODUCT SPECIFICATIONS:

Weave : Woven black HDPE scrim
Coating : LDPE 2.4mil average each side (57 g/m²/side)
Color : Black, white or colored coatings available
Weight : 9.1 oz/yd² (309 g/m²) ± 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 24 (0.60) ±10%	
Grab Tensile	ASTM D 7004	lbs (N)	294 (1305)	242 (1074)
Strip Tensile	ASTM D 7003	lb/in (N/5cm)	240 (2131)	270 (2398)
Tongue Tear - Large Scale	ASTM D 5884	lbs (N)	90 (400)	92 (408)
Mullen Burst	ASTM D 751	psi (kPa)	530 (3652)	
MVTR	ASTM E 96 Proc. BW	g/m ² 24 hrs (perms)	0.23 (0.03)	
Hydraulic Conductivity (Permeability)	Calculated from MVTR	cm/s	9.79 x 10 ⁻¹⁵	
Hydrostatic Resistance	ASTM D 751	psi (kPa)	262 (1805)	
Puncture Resistance	ASTM D 4833	lbs (N)	150 (666)	
CBR Static Puncture	ASTM D 6241	lbs (N)	933 (4409)	
Carbon Black Content	ASTM D 4218	%	3	
Dimensional Stability	ASTM D 1204	%	-2.9	-1.8
Low-Temperature Flex	ASTM D 2136-94	Pass	-65°C	-85°F
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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