

TITAN WOVEN COATED (RPE)

20mil WOVEN COATED GEOMEMBRANE



Commonly used for temporary landfill covers or short-term liners. Titan 20mil 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 (60 g/m²/side)
- Color :** Black, white or colored coatings available
- Weight :** 9.0 oz/yd² (305 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 20 (0.40) ±10%	
Grab Tensile	ASTM D 7004	lbs (N)	250 (1110)	340 (1510)
Strip Tensile	ASTM D 7003	lb/in (N/5cm)	175 (1554)	270 (2398)
Tongue Tear - Large Scale	ASTM D 5884	lbs (N)	75 (333)	75 (333)
Mullen Burst	ASTM D 751	psi (kPa)	550 (3790)	
MVTR	ASTM E 96 Proc. BW	g/m ² 24 hrs (perms)	0.29 (0.04)	
Hydraulic Conductivity (Permeability)	Calculated from MVTR	cm/s	1.02 x 10 ⁻¹⁴	
Hydrostatic Resistance	ASTM D 751	psi (kPa)	139 (958)	
Puncture Resistance	ASTM D 4833	lbs (N)	140 (622)	
CBR Static Puncture	ASTM D 6241	lbs (N)	973 (4320)	
Carbon Black Content	ASTM D 4218	%	3	
Dimensional Stability	ASTM D 1204	%	-2.5	-1.8
Low-Temperature Flex	ASTM D 2136-94	Pass	-65°C	-85°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 ² /nm, or 1200 hrs exposure @1.35 W/m ² /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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