

Titan RCG-20

20 mil WOVEN COATED GEOMEMBRANE



Commonly used for interim landfill covers and short-term liners. Titan RCG-20 is a medium weight fabric incorporating a coating designed to improve toughness and abrasion resistance, and is intended for exposed applications up to 5 years.

PRODUCT SPECIFICATIONS:

Weave: Woven black HDPE scrim
Coating: LLDPE 2.5 mil average each side (60g/m²/side)
Colour: White, black or other colored coatings available
Weight 9.0 oz/yd² (305/m²) ± 5%

PERFORMANCE PROPERTIES:

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

Thickness ASTM D1777	Nominal 20 mil (0.40 mm), ± 10%
Grab Tensile (N) ASTM D7004	MD 250 lb (1110) TD 340 lb (1510)
Strip Tensile (N/5cm) ASTM D7003	MD 175 lb/in (1554) TD 270 lb/in (2398)
Tongue Tear—large scale (N) ASTM D5884	MD 75 lb (333) TD 75 lb (333)
Mullen Burst ASTM D751	550 psi (2584 kPa)
MVTR ASTM E96 Proc. BW	0.40 g/m ² ·24hr (0.06 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	1.97 x 10 ⁻¹² cm/s
Hydrostatic Resistance ASTM D751	139 psi (958 kPa)
Puncture Resistance ASTM D4833	140 lb (622 N)
CBR Static Puncture ASTM D6241	973 lb (4320 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -4.3% TD -1.8%
Low Temperature Flex ASTM D2136-94	MD & TD: Pass @ -65°F (-85°C)
HP-OIT ASTM D5885 (Measured on coating formulation)	1684 minutes
Accelerated UV Weathering ASTM G151 ASTM G154	>90% strength retention after 2000 hours exposure @0.77 W/m ² /nm, or 1200 hrs exposure @1.35 W/m ² /mn

MD = Machine Direction. TD = Transverse Direction
 i Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4 hrs condensation @ 50°C

These values are typical data and are not intended as limiting specifications.

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