

Titan RCG-12

12 mil WOVEN COATED GEOMEMBRANE



Commonly used for temporary landfill covers or short-term liners. Titan RCG-12 is a medium weight fabric incorporating a coating designed to improve toughness and abrasion resistance.

PRODUCT SPECIFICATIONS:

Weave: Woven black HDPE scrim
Coating: LLDPE 1.75 mil average each side(41.5g/m²/side)
Colour: Black or coloured coatings available
Weight 5.2 oz/yd² (176 g/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 12 mil (0.3 mm), ± 10%
Grab Tensile (N) ASTM D7004	MD 180 lb (799) TD 125 lb (555)
Strip Tensile (N/5cm) ASTM D7003	MD 140 lb/in (1243) TD 100 lb/in (888)
Tongue Tear—large scale (N) ASTM D5884	MD 50 lb (222) TD 50lb (222)
Mullen Burst ASTM D751	275 psi (1895 kPa)
MVTR ASTM E96 Proc. BW	0.35 g/m ² ·24hr (0.05 perms)
Hydraulic Conductivity (Permeability) Calculated from MVTR	0.88 x 10 ⁻¹² cm/s
Hydrostatic Resistance ASTM D751	130 psi (896 kPa)
Puncture Resistance ASTM D4833	76 lb (337 N)
CBR Static Puncture ASTM D6241	530 lb (2353 N)
Carbon Black Content ASTM D4218	3 %
Dimensional Stability ASTM D1204	MD -3.60% TD -2.42%
Low Temperature Flex ASTM D2136-94	MD & TD: Pass @ -40°F (-40°C)
HP-OIT ASTM D5885 (Measured on coating formulation)	1330 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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