

# Titan RCG-16

## 16 mil WOVEN COATED GEOMEMBRANE



Commonly used for interim landfill covers, miscellaneous covers and liners. Titan RCG-16 is a medium weight fabric incorporating a coating designed to improve toughness and abrasion resistance.

### PRODUCT SPECIFICATIONS:

**Weave:** Woven black HDPE scrim  
**Coating:** LLDPE 2.5 mil average each side(59g/m<sup>2</sup>/side)  
**Colour:** White, black or other colored coatings available  
**Weight** 7.2 oz/yd<sup>2</sup> (244g/m<sup>2</sup>) ± 5%

### PERFORMANCE PROPERTIES:

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

<b>Thickness</b> ASTM D1777	Nominal 16 mil (0.40 mm), ± 10%
<b>Grab Tensile (N)</b> ASTM D7004	MD 120 lb (932) TD 190 lb (844)
<b>Strip Tensile (N/5cm)</b> ASTM D7003	MD 135 lb/in (1199) TD 130 lb/in (1154)
<b>Tongue Tear—large scale (N)</b> ASTM D5884	MD 60 lb (266) TD 60lb (266)
<b>Mullen Burst</b> ASTM D751	375 psi (2584 kPa)
<b>MVTR</b> ASTM E96 Proc. BW	0.40 g/m <sup>2</sup> -24hr (0.06 perms)
<b>Hydraulic Conductivity (Permeability)</b> Calculated from MVTR	1.97 x 10 <sup>-12</sup> cm/s
<b>Hydrostatic Resistance</b> ASTM D751	97 psi (668 kPa)
<b>Puncture Resistance</b> ASTM D4833	113 lb (337 N)
<b>CBR Static Puncture</b> ASTM D6241	922 lb (2353 N)
<b>Carbon Black Content</b> ASTM D4218	3 %
<b>Dimensional Stability</b> ASTM D1204	MD -3.6% TD -3.4%
<b>Low Temperature Flex</b> ASTM D2136-94	MD & TD: Pass @ -40°F (-40°C)
<b>HP-OIT</b> ASTM D5885 (Measured on coating formulation)	2122 minutes
<b>Accelerated UV Weathering</b> ASTM G151 ASTM G154	>90% strength retention after 2000 hours exposure @0.77 W/m <sup>2</sup> /nm, or 1200 hrs exposure @1.35 W/m <sup>2</sup> /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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