

# Titan RCG-30

## WOVEN COATED GEOMEMBRANE



Commonly used in hydraulic fracturing, tank liners, water reservoirs, and heavy-duty containment projects, Titan RCG-30 is a heavyweight fabric incorporating a special weave pattern to enhance thickness, flatness, and tear properties. One side is laminated LDPE/LLDPE film and the other has a coating designed to improve toughness and abrasion resistance. This product is intended for long term buried or exposed applications.

### PRODUCT SPECIFICATIONS:

**Weave** Woven black HDPE scrim  
**Coating** 2.4 mil (57 g/m<sup>2</sup>/side)  
**Film** 5.5 mil LDPE/LLDPE (0.14 mm)  
**Weight** 14.7 oz/yd<sup>2</sup> (498 g/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 30 mil (0.75 mm) ± 10%
<b>Grab Tensile (N)</b> ASTM D7004	MD 410 lb (1820) TD 400 lb (1776)
<b>Strip Tensile (N/5cm)</b> ASTM D7003	MD 260 lb/in (2309) TD 260 lb/in (2309)
<b>Tongue Tear—large scale (N)</b> ASTM D5884	MD 79 lb (351) TD 81 lb (360)
<b>Grab Tensile (N)</b> ASTM D7004	MD 410 lb (1820) TD 400 lb (1776)
<b>Strip Tensile (N/5cm)</b> ASTM D7003	MD 260 lb/in (2309) TD 260 lb/in (2309)
<b>Tongue Tear—large scale (N)</b> ASTM D5884	MD 79 lb (351) TD 81 lb (360)
<b>Mullen Burst</b> ASTM D751	622 psi (4289 kPa)
<b>MVTR</b> ASTM E96 Proc. BW	0.33 g/m <sup>2</sup> ·24hr (0.05 perms)
<b>Hydraulic Conductivity (Permeability)</b> Calculated from MVTR	2.06 x 10 <sup>-12</sup> cm/s
<b>Hydrostatic Resistance</b> ASTM D751	635 psi (4375 kPa)
<b>Puncture Resistance</b> ASTM D4833	195 lb (866 N)
<b>CBR Static Puncture</b> ASTM D6241	1272 lb (5658 N)
<b>Carbon Black Content</b> ASTM D4218	3 %
<b>Dimensional Stability</b> ASTM D1204	MD -2.9% TD -1.0%
<b>Low Temperature Flex</b> ASTM D2136-94	MD & TD: Pass @ -65°C (-85°F)
<b>HP-OIT</b> ASTM D5885 (Measured on coating formulation)	3048 minutes
<b>Accelerated UV Weathering</b> ASTM D7238	>90% strength retention after 10,000 light hours

MD = Machine Direction. TD = Transverse Direction  
 i Q.U.V [A-340 Lamps]; 20 hrs UV @ 75°C; 4 hrs condensation @ 60°C

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

This data is provided for informational purposes only. Titan makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damage. This information is subject to change without notice, please check with us for current updates.