

RCG-30

30mil WOVEN COATED GEOMEMBRANE



Titan 30mil Woven Coated Geomembrane 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. Commonly used in hydraulic fracturing, tank liners, water reservoirs, and heavy-duty containment projects.

PRODUCT SPECIFICATIONS:

Weave : Woven black HDPE scrim
Coating : 2.4nmil (57 g/m²/side)
Film : 5.5mil LDPE/LLDPE (0.14mm)
Weight : 14.7 oz/yd² (498 g/m²) ± 5%

PRODUCT DIMENSIONS:

Cores : 4" ID or 5" IS available (10cm or 13cm)
Width : Up to 150" (381cm) (-0, +0.5) as ordered
Length : Minimum 250 yds/roll (229m); up to 1000 yds/roll (914m)

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 30 (0.75) ±10% | |
| Grab Tensile | ASTM D 7004 | lbs (N) | 410 (1820) | 400 (1776) |
| Strip Tensile | ASTM D 7003 | lb/in (N/5cm) | 260 (2309) | 260 (2309) |
| Tongue Tear - Large Scale | ASTM D 5884 | lbs (N) | 79 (351) | 81 (360) |
| Mullen Burst | ASTM D 751 | psi (kPa) | 622 (4289) | |
| MVTR | ASTM E 96 Proc. BW | g/m ² 24 hrs (perms) | 0.103 (0.014) | |
| Hydraulic Conductivity (Permeability) | Calculated from MVTR | cm/s | 5.09 x 10 ⁻¹⁵ | |
| Hydrostatic Resistance | ASTM D 751 | psi (kPa) | 635 (4375) | |
| Puncture Resistance | ASTM D 4833 | lbs (N) | 195 (866) | |
| CBR Static Puncture | ASTM D 6241 | lbs (N) | 1272 (5658) | |
| Carbon Black Content | ASTM D 4218 | % | 3 | |
| Dimensional Stability | ASTM D 1204 | % | -2.9 | -1.0 |
| Low-Temperature Flex | ASTM D 2136-94 | Pass | -65°C | -85°F |
| HP-OIT | ASTM D 5885 (Measured on coating formulation) | Minutes | 3048 | |
| Accelerated UV Weathering | ASTM D 7238 | after 10,000 light hours | > 90% strength retention | |

NOTES:

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

This data is provided for informational purposes only. Titan Environmental Containment Ltd. 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 Titan Environmental Containment Ltd. for current updates.

Titan Environmental Containment

Toll free: 1-866-327-1957 | info@titanenviro.com | TitanEnviro.com