

# TE-3.1

## 3.1oz CIVIL NONWOVEN GEOTEXTILE



Titan has provided the containment and erosion control industries with the highest quality geotextiles available. Our nonwoven needle punched geotextiles are manufactured using polypropylene fibers, which are formed into a dimensionally stable network which allows the fibers to maintain their relative position. These products resist ultraviolet deterioration, rotting, biological degradation, and are inert to commonly encountered soil chemicals.

| TESTED PROPERTY                | TEST METHOD | UNIT ENGLISH (METRIC)                           | VALUE ENGLISH (METRIC) |
|--------------------------------|-------------|---|------------------------|
| Grab Tensile                   | ASTM D 4632 | lbs (N)   | 80 (355)               |
| Grab Elongation                | ASTM D 4632 | %   | 50                     |
| CBR Puncture Resistance        | ASTM D 6241 | lbs (N)   | 210 (934)              |
| Trapezoid Tear                 | ASTM D 4533 | lbs (N)   | 30 (134)               |
| Permittivity*                  | ASTM D 4491 | 1/sec   | 2.2                    |
| Water Flow*                    | ASTM D 4491 | gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> ) | 150 (6112)             |
| Apparent Opening Size (AOS)    | ASTM D 4751 | US Sieve (mm)                                   | 50 (0.30)              |
| U.V. Resistance                | ASTM D4355  | %/hrs   | 70/500                 |
| <b>TYPICAL ROLL DIMENSIONS</b> |             |   |                        |
| Roll Dimensions                |             | ft  | 12.5 x 360<br>15 x 300 |
| Roll Area                      |             | yd <sup>2</sup>                                 | 500/600                |
| Estimated Roll weight          |             | lbs   | 130/155                |

### NOTES:

MARV. Minimum Average Roll Value.

Maximum average roll value ASTM D 4751- AOS.

Mullen Burst ASTM D 3768 has been removed. It is not recognized by ASTM D 35 on Geosynthetics.

Puncture ASTM D 4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D 6241.

**\*At the time of manufacturing. Handling may change these properties**

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](https://www.titanenviro.com)