

# TE-4x4HF

## HIGH STRENGTH WOVEN GEOTEXTILE



Titan 4x4HF is manufactured using high tenacity polypropylene yarns that are woven to form a dimensionally stable network, which allows the yarns to maintain their relative position. Titan 4x4HF resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

| TESTED PROPERTY                | TEST METHOD | UNIT<br>ENGLISH (METRIC)                  | VALUE<br>ENGLISH (METRIC) |
|--------------------------------|-------------|-------------------------------------------|---------------------------|
| Tensile Strength (Grab)        | ASTM D 4632 | lbs (N)                                   | 575 x 500 (2558 x 2225)   |
| Elongation                     | ASTM D 4632 | %                                         | 15 x 12                   |
| Wide Width Tensile             | ASTM D 4595 | lbs/ft (kN/m)                             | 4800 x 4800 (70.1 x 70.1) |
| Wide Width Elongation          | ASTM D 4595 | %                                         | 8 x 6                     |
| Wide Width Tensile (5% strain) | ASTM D 4595 | lbs/ft (kN/m)                             | 1452 x 2604 (21.2 x 38)   |
| CBR Puncture                   | ASTM D 6241 | lbs (N)                                   | 2200 (9786)               |
| Trapezoidal Tear               | ASTM D 4533 | lbs (N)                                   | 200 x 200 (890 x 890)     |
| UV Resistance                  | ASTM D 4355 | %/hrs                                     | 90/500                    |
| Apparent Opening Size (AOS)*   | ASTM D 4751 | US Std Sieve (mm)                         | 30 (0.60)                 |
| Permittivity                   | ASTM D 4491 | sec <sup>-1</sup>                         | 0.15                      |
| Water Flow Rate                | ASTM D 4491 | gpm/ft <sup>2</sup> (lpm/m <sup>2</sup> ) | 10 (407.4)                |
| TYPICAL ROLL DIMENSIONS        |             |                                           |                           |
| Roll Width                     |             | ft (m)                                    | 15 (4.57)                 |
| Roll Length                    |             | ft (m)                                    | 300 (91.5)                |

**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.

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### TITAN ENVIRONMENTAL CONTAINMENT

Toll Free: 1-866-327-1957 | Email: [info@titanenviro.com](mailto:info@titanenviro.com) | Web: [www.titanenviro.com](http://www.titanenviro.com)

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