

TE-W270 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. TE-W270 resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

| TESTED PROPERTY                             | TEST METHOD | UNIT ENGLISH<br>(METRIC)                   | VALUE ENGLISH<br>(METRIC)            |
|---------------------------------------------|-------------|--------------------------------------------|--------------------------------------|
| Grab Tensile                                | ASTM D 4632 | lbs (N)                                    | 270 (1201)                           |
| Grab Elongation                             | ASTM D 4632 | %                                          | 15                                   |
| Trapezoidal Tear <sup>(1)</sup>             | ASTM D 4533 | lbs (N)                                    | 100 (440)                            |
| CBR Puncture Resistance <sup>(1)</sup>      | ASTM D 6241 | lbs (N)                                    | 850 (3783)                           |
| Permittivity* <sup>(1)</sup>                | ASTM D 4491 | 1/sec                                      | 0.05                                 |
| Water Flow* <sup>(1)</sup>                  | ASTM D 4491 | gpm/ft <sup>2</sup> (lpm/ft <sup>2</sup> ) | 4 (163)                              |
| Apparent Opening Size (AOS)* <sup>(2)</sup> | ASTM D 4751 | US Sieve (mm)                              | 40 (.425)                            |
| UV Resistance                               | ASTM D 4355 | %/hrs                                      | 70/500                               |
| <b>TYPICAL ROLL DIMENSIONS</b>              |             |                                            |                                      |
| Roll Dimensions                             |             | ft                                         | 12.5 x 360<br>15 x 300<br>17.5 x 258 |
| Roll Area                                   |             | yd <sup>2</sup>                            | 500                                  |
| Estimated Roll Weight                       |             | lbs                                        | 310                                  |

**NOTES:**

1. MARV = Minimum Average Roll Value.

2. Maximum average roll value as per ASTM D 4751.

Mullen Burst (ASTM D 3786) has been removed. It is not recognized by ASTM D 35 on Geosynthetics.

Puncture Strength (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.**

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