

**SKAPS TRANSNET™**  
**HDPE GEOCOMPOSITE**  
**WITH TN 300 GEONET**



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SKAPS TRANSNET™ Geocomposite consists of SKAPS Geonet made from HDPE resin with nonwoven polypropylene geotextile fabric heat bonded on one side or both sides of Geonet.

| PROPERTY                         | TEST METHOD                | UNIT                             | VALUE                           |                                 | QUALIFIER           |
|----------------------------------|----------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------|
| <b>GEONET</b>                    |                            |                                  |                                 |                                 |                     |
| Thickness                        | ASTM D 5199                | mil                              | 275                             | 275                             | MAV <sup>(3)</sup>  |
| Carbon Black                     | ASTM D 4218                | %                                | 2.0                             | 2.0                             | MAV                 |
| Tensile Strength                 | ASTM D 7179                | lb/in                            | 65                              | 65                              | MAV                 |
| Melt Flow                        | ASTM D 1238 <sup>(2)</sup> | g/10 min                         | 1.0                             | 1.0                             | Maximum             |
| Density                          | ASTM D 1505                | g/cm <sup>3</sup>                | 0.94                            | 0.94                            | MAV                 |
| Transmissivity <sup>(1)</sup>    | ASTM D 4716                | gal/min/ft (m <sup>2</sup> /sec) | 29.00 (6.0 x 10 <sup>-3</sup> ) | 29.00 (6.0 x 10 <sup>-3</sup> ) | MAV                 |
| <b>GEOCOMPOSITE</b>              |                            |                                  | <b>6 oz/yd<sup>2</sup></b>      | <b>8 oz/yd<sup>2</sup></b>      |                     |
| Ply Adhesion                     | ASTM D 7005                | lb/in                            | 1.00                            | 1.00                            | MAV                 |
| Transmissivity <sup>(1)</sup> DS | ASTM D 4716                | gal/min/ft (m <sup>2</sup> /sec) | <b>TN 300-2-6</b>               | <b>TN 300-2-8</b>               |                     |
|                                  |                            |                                  | 3.38 (7.0 x 10 <sup>-4</sup> )  | 3.38 (7.0 x 10 <sup>-4</sup> )  | MAV                 |
| Transmissivity <sup>(1)</sup> SS | ASTM D 4716                | gal/min/ft (m <sup>2</sup> /sec) | <b>TN 300-1-6</b>               | <b>TN 300-1-8</b>               |                     |
|                                  |                            |                                  | 9.67 (2.0 X 10 <sup>-3</sup> )  | 9.67 (2.0 X 10 <sup>-3</sup> )  | MAV                 |
| <b>GEOTEXTILE</b>                |                            |                                  |                                 |                                 |                     |
| Fabric Weight                    | ASTM D 5261                | oz/yd <sup>2</sup>               | 6                               | 8                               | MARV <sup>(4)</sup> |
| Grab Tensile                     | ASTM D 4632                | lb                               | 160                             | 225                             | MARV                |
| Grab Elongation                  | ASTM D 4632                | %                                | 50                              | 50                              | MARV                |
| Trapezoid Tear                   | ASTM D 4533                | lb                               | 65                              | 90                              | MARV                |
| CBR Puncture                     | ASTM D 6241                | lb                               | 450                             | 600                             | MARV                |
| Water Flow <sup>(5)</sup>        | ASTM D 4491                | gpm/ft <sup>2</sup>              | 125                             | 100                             | MARV                |
| Permittivity <sup>(5)</sup>      | ASTM D 4491                | sec <sup>-1</sup>                | 1.63                            | 1.26                            | MARV                |
| Permeability <sup>(5)</sup>      | ASTM D 4491                | cm/sec                           | 0.30                            | 0.30                            | MARV                |
| AOS                              | ASTM D 4751                | US Sieve                         | 70                              | 80                              | MaxARV              |

**Notes:**

- (1) Transmissivity measured using water at 21 ± 2 °C (70 ± 4 °F) with a gradient of 0.1 and a confining pressure of 10,000 psf between steel plates after 15 minutes. Values may vary with individual labs.  
 DS - Double Sided, SS - Single Sided
- (2) Condition 190/2.16
- (3) Minimum average value.
- (4) MARV is statistically defined as mean minus two standard deviations and it is the value which is exceeded by 97.5% of all the test data.
- (5) At the time of manufacturing. Handling may change these properties.

*This information is provided for reference purposes only and is not intended as a warranty or guarantee.*

*SKAPS assumes no liability in connection with the use of this information. Geotextile and Geonet properties are prior to lamination.*