



Sales Office:
 Engineered Synthetic Products, Inc.
 Phone (770) 564-1857
 Fax (770) 564-1818
 www.espgeosynthetics.com
 www.skaps.com

DRAINAGE PRODUCT DESCRIPTION SHEET
SKAPS TRANSNET™ 220-1-6

SKAPS TRANSNET 220-1-6 is a superior quality drainage media made by extruding two sets of HDPE strands together to form a diamond shaped net. The net is then heat laminated on one side to a 6 ounce nonwoven geotextile fabric. This three dimensional structure provides excellent planar liquid flow. SKAPS drainage composites are manufactured from first quality virgin resin geonets and a full range of nonwoven geotextiles. The Transnet 220-1-6 conforms to the physical property values listed below:

| GeoNet Property | Test Method | Unit | Minimum Average Value |
|-------------------------------|----------------------------|---------------------|------------------------|
| Thickness | ASTM D 5199 | mil (mm) | 200 (5.08) |
| Carbon Black | ASTM D 4218 | % | 2.0 |
| Tensile Strength | ASTM D 7179 | lb/in (kN/m) | 45 (7.87) |
| Melt Flow | ASTM D 1238 ⁽²⁾ | g/10 min | 1.0 Maximum |
| Density | ASTM D 1505 | g/cm ³ | 0.94 |
| Transmissivity ⁽¹⁾ | ASTM D 4716 | m ² /sec | 2.0 x 10 ⁻³ |

| Composite Property | Test Method | Unit | Minimum Average Value |
|-------------------------------|-------------|---------------------|------------------------|
| Ply Adhesion | ASTM D 7005 | lb/in (g/cm) | 1.0 (178) |
| Transmissivity ⁽¹⁾ | ASTM D 4716 | m ² /sec | 1.0 x 10 ⁻³ |

SKAPS GE160

SKAPS GE160 is a superior quality, nonwoven geotextile produced by needlepunching together 100% polypropylene staple fibers in a random network to form a high strength dimensionally stable fabric. The polypropylene fibers are specially formulated to resist ultraviolet light deterioration and are inert to commonly encountered soil chemicals. The fabric will not mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a pH range of 2 to 13. SKAPS GE160 conforms to the physical property values below:

| Geotextile Property | Test Method | Unit | Minimum Average Roll Value ⁽³⁾ |
|--------------------------------|-------------|---|---|
| Weight | ASTM D 5261 | oz/yd ² (g/m ²) | 6.0 (203) |
| Grab Tensile | ASTM D 4632 | lb (kN) | 160 (0.711) |
| Grab Elongation | ASTM D 4632 | % | 50 |
| Trapezoid Tear | ASTM D 4533 | lb (kN) | 65 (0.29) |
| CBR Puncture Resistance | ASTM D 6241 | lb (kN) | 450 (2.0) |
| Water Flow Rate ⁽⁴⁾ | ASTM D 4491 | gpm/ft ² (l/min/m ²) | 125 (5080) |
| Permittivity ⁽⁴⁾ | ASTM D 4491 | sec ⁻¹ | 1.63 |
| AOS | ASTM D 4751 | US Sieve (mm) | 70 (0.212) Maximum |

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 (479 kPa) between steel plates after 15 minutes. Values may vary based on dimension of the transmissivity specimen and individual laboratory.
- (2) Condition 190/2.16
- (3) Minimum Average Roll Value (MARV) statistically defined as mean minus two standard deviations and is the value which is exceeded by 97.5% of all test data.
- (4) At time of manufacturing. Handling, storing, and shipping 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. Geonet and Geotextile properties are prior to lamination.

SKAPS Industries

571 Industrial Parkway, Commerce, GA 30529
 Phone (706) 336-7000, Fax (706) 336-7007