



SKAPS TRANSNET™ HDPE GEOCOMPOSITE TN 330-2-6



SKAPS TRANSNET™ geocomposite consists of SKAPS GeoNet made from HDPE resin with nonwoven polypropylene geotextile fabric heat bonded on both sides of geonet.

Property	Test Method	Unit	Value	Qualifier
Geonet				
Thickness	ASTM D 5199	mil (mm)	300 (7.62)	MAV ⁽³⁾
Carbon Black	ASTM D 4218	%	2.0	MAV
Tensile Strength	ASTM D 7179	lb/in (kN/m)	75 (13.12)	MAV
Melt Flow	ASTM D 1238 ⁽²⁾	g/10 min	1.0	Maximum
Density	ASTM D 1505	g/cm ³	0.94	MAV
Transmissivity ⁽¹⁾	ASTM D 4716	gal/min/ft (m ² /sec)	38.67 (8.0 x 10 ⁻³)	MAV
Composite				
Ply Adhesion	ASTM D 7005	lb/in (g/cm)	1.0 (178)	MAV
Transmissivity ⁽¹⁾	ASTM D 4716	gal/min/ft (m ² /sec)	4.35 (9.0 x 10 ⁻⁴)	MAV
Geotextile				
Fabric Weight	ASTM D 5261	oz/yd ² (gm/m ²)	6 (203)	MARV ⁽⁴⁾
Grab Tensile	ASTM D 4632	lb (N)	160 (711)	MARV
Grab Elongation	ASTM D 4632	%	50	MARV
Trapezoid Tear	ASTM D 4533	lb (N)	65 (289)	MARV
CBR Puncture	ASTM D 6241	lb (N)	450 (2002)	MARV
Water Flow ⁽⁵⁾	ASTM D 4491	gpm/ft ² (l/min/m ²)	125 (5093)	MARV
Permittivity ⁽⁵⁾	ASTM D 4491	sec ⁻¹	1.63	MARV
Permeability ⁽⁵⁾	ASTM D 4491	cm/sec	0.30	MARV
AOS	ASTM D 4751	US Sieve (mm)	70 (0.212)	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 (479 kPa) between steel plates after 15 minutes. Values may vary with individual labs.
- (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.