

**SKAPS TRANSNET™  
HDPE GEOCOMPOSITE  
WITH TN 220 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	200	200	MAV <sup>(3)</sup>
Carbon Black	ASTM D 4218	%	2.0	2.0	MAV
Tensile Strength	ASTM D 7179	lb/in	45	45	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)	9.67 (2.0 x 10 <sup>-3</sup> )	9.67 (2.0 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 220-2-6</b>	<b>TN 220-2-8</b>	
			0.48 (1.0 x 10 <sup>-4</sup> )	0.48 (1.0 x 10 <sup>-4</sup> )	MAV
Transmissivity <sup>(1)</sup> SS	ASTM D 4716	gal/min/ft (m <sup>2</sup> /sec)	<b>TN 220-1-6</b>	<b>TN 220-1-8</b>	
			4.83 (1.0 X 10 <sup>-3</sup> )	4.83 (1.0 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 10000 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.*