

SKAPS TRANSNET™

HDPE GEOCOMPOSITE WITH TN 220 GEONET



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
GEONET					
Thickness	ASTM D 5199	mil	200	200	MAV ⁽³⁾
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 ⁽²⁾	g/10 min	1.0	1.0	Maximum
Density	ASTM D 1505	g/cm ³	0.94	0.94	MAV
Transmissivity ⁽¹⁾	ASTM D 4716	gal/min/ft (m ² /sec)	9.67 (2.0 x 10 ⁻³)	9.67 (2.0 x 10 ⁻³)	MAV
GEOCOMPOSITE			6 oz/yd²	8 oz/yd²	
Ply Adhesion	ASTM D 7005	lb/in	1.00	1.00	MAV
Transmissivity ⁽¹⁾ DS	ASTM D 4716	gal/min/ft (m ² /sec)	TN 220-2-6	TN 220-2-8	MAV
			0.48 (1.0 x 10 ⁻⁴)	0.48 (1.0 x 10 ⁻⁴)	
Transmissivity ⁽¹⁾ SS	ASTM D 4716	gal/min/ft (m ² /sec)	TN 220-1-6	TN 220-1-8	
			4.83 (1.0 x 10 ⁻³)	4.83 (1.0 x 10 ⁻³)	
GEOTEXTILE					
Fabric Weight	ASTM D 5261	oz/yd ²	6	8	MARV ⁽⁴⁾
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 ⁽⁵⁾	ASTM D 4491	gpm/ft ²	125	100	MARV
Permittivity ⁽⁵⁾	ASTM D 4491	sec ⁻¹	1.63	1.26	MARV
Permeability ⁽⁵⁾	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.

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