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**SKAPS TRANSNET™ (TN)
 HDPE GEOCOMPOSITE 250**

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

Property	Test Method	Unit	Required Value		Qualifier
			With 6 Oz.	With 8 oz.	
Geonet					
Mass per Unit Area	ASTM D 5261	lb/ft ²	0.2	0.2	Minimum
Thickness	ASTM D 5199	mil.	250±15	250±15	Range
Carbon Black	ASTM D 4218	%	2 to 3	2 to 3	Range
Tensile Strength	ASTM D 5035	lb/in	50	50	Minimum
Melt Flow	ASTM D 1238 ³	g/10 min.	1	1	Maximum
Density	ASTM D 1505	g/cm ³	0.94	0.94	Minimum
Transmissivity ¹	ASTM D 4716	m ² /sec.	1.5x10 ⁻³	1.5x10 ⁻³	MARV ²
Composite					
Ply Adhesion (Minimum)	GRI GC7	lb/in	0.5	0.5	MARV
Ply Adhesion (Average)	GRI GC7	lb/in	1	1	MARV
Transmissivity ^{1a}	ASTM D 4716	m ² /sec	3.5x10 ⁻⁴	3x10 ⁻⁴	MARV
Geotextile					
Fabric Weight	ASTM D 5261	oz/yd ²	6	8	MARV
Grab Strength	ASTM D 4632	lb	150	225	MARV
Grab Elongation	ASTM D 4632	%	50	50	MARV
Tear Strength	ASTM D 3786 ⁴	lb	60	90	MARV
Puncture Resistance	ASTM D 4833	lbs.	95	130	MARV
Mullen Burst	ASTM D 3786 ⁴	psi	325	450	MARV
Water Flow Rate	ASTM D 4491	gpm/ft ²	125	100	MARV
Permittivity	ASTM D 4491	sec ⁻¹	1.63	1.26	MARV
Permeability	ASTM D 4491	cm/sec	0.48	0.3	MARV
AOS	ASTM D 4751	US Sieve	70	80	MARV

Notes:

1. Transmissivity measured using water at 21 ± 2°C (70 ± 4°F) with a gradient of 1.0 and a confining pressure of 15000 psf between stainless steel plates after 15 minutes. Values may vary between individual labs.
 1a. 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 stainless steel plates after 15 minutes. Values may vary between individual labs.
2. 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.
3. Condition 190/2.16
4. Modified

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