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**SKAPS TRANSNET™ (TN)
 HDPE GEOCOMPOSITE 270**

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	0.25	0.25	Minimum
Thickness	ASTM D 5199	mil.	270±15	270±15	Range
Carbon Black	ASTM D 4218	%	2 to 3	2 to 3	Range
Tensile Strength	ASTM D 5035	lb/in	75	75	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.	2.25x10 ⁻³	2.25x10 ⁻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	1.2x10 ⁻³	9x10 ⁻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:

- 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.
- 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.
- Condition 190/2.16
- Modified

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