

SKAPS GE-170

NON-WOVEN GEOTEXTILE



SKAPS INDUSTRIES

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SKAPS GE-170 is a needle-punched nonwoven geotextile made of 100% virgin polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GE-170 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13.

SKAPS GE-170 conforms to the Minimum Average Roll Values (MARV) listed below:

PROPERTY	TEST METHOD	ENGLISH (MARV ²)	METRIC (MARV ²)
Weight	ASTM D-5261	7 oz/yd ²	237 g/m ²
Grab Tensile Strength	ASTM D 4632	200 lbs	0.889 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	75 lbs	0.33 kN
Thickness ⁴	ASTM D-5199	90 mils	2.29 mm
CBR Puncture Resistance	ASTM D 6241	540 lbs	2.4 kN
Permittivity ⁴	ASTM D 4491	1.41 sec ⁻¹	1.41 sec ⁻¹
Permeability ⁴	ASTM D 4491	0.46 cm/sec	0.46 cm/sec
Water Flow ⁴	ASTM D 4491	110 gpm/ft ²	4470 l/min/m ²
Apparent Opening Size (AOS) ^{3&4}	ASTM D 4751	70 US Sieve	0.212 mm
UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

PACKAGING

Roll Dimensions (W x L)	15 ft. x 780 ft.	4.58 m x 237.74 m
Area Per Roll	1300 Yd ²	1089 m ²
Estimated Roll Weight - lbs	620 lbs.	282 kg

NOTES:

1. The property values listed above are subject to change without notice.
2. Minimum Average Roll Values (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5% degree of confidence that any samples taken from quality assurance testing will meet or exceed the values described above.
3. Maximum Average Roll Value (MaxARV)
4. At time of manufacturing. Handling may change these properties.

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