

SKAPS GE-140

NON-WOVEN GEOTEXTILE



SKAPS INDUSTRIES

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SKAPS GE-140 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-140 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13.

SKAPS GE-140 conforms to the Minimum Average Roll Values (MARV) listed below:

PROPERTY	TEST METHOD	ENGLISH (MARV ²)	METRIC (MARV ²)
Weight	ASTM D-5261	4 oz/yd ²	135 g/m ²
Grab Tensile Strength	ASTM D 4632	105 lbs	0.467 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	45 lbs	0.2 kN
Thickness ⁴	ASTM D-5199	70 mils	1.77 mm
CBR Puncture Resistance	ASTM D 6241	305 lbs	1.36 kN
Permittivity ⁴	ASTM D 4491	2 sec ⁻¹	2 sec ⁻¹
Permeability ⁴	ASTM D 4491	0.55 cm/sec	0.55 cm/sec
Water Flow ⁴	ASTM D 4491	160 gpm/ft ²	6518 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 1350 ft.	4.58 m x 411.48 m
Area Per Roll	2250 Yd ²	1885 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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