



GE-117

Nonwoven Geotextile

SKAPS GE-117 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GE-117 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GE-117 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)	TYPICAL VALUE**
Weight	ASTM D 5261	oz/sy (g/m ²)	17.0 (576)	17.7 (600)
Thickness*	ASTM D 5199	mils (mm)	180 (4.57)	200 (5.08)
Grab Tensile	ASTM D 4632	lbs (kN)	430 (1.910)	500 (2.22)
Grab Elongation	ASTM D 4632	%	50	70
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	151 (.690)	168 (.750)
Puncture Resistance	ASTM D 4833	lbs (kN)	260 (1.15)	290 (1.289)
CBR Puncture Strength	ASTM D 6241	lbs (kN)	1215 (5.4)	1305 (5.80)
Mullen Burst Strength	ASTM D 3786	Psi	805 (5550)	850 (5862)
Permittivity*	ASTM D 4491	sec ⁻¹	0.55	0.65
Permeability*	ASTM D 4491	cm/sec	0.25	0.32
Water Flow*	ASTM D 4491	gpm/ft ² (l/min/m ²)	45 (1833)	50 (2036)
AOS*	ASTM D 4751	US Sieve (mm)	100 (.150)	140-100 (.11 -.150)
UV Resistance	ASTM D 4355	%/hrs	70/500	80/500

* At the time of manufacturing. Handling, storage, and shipping may change these properties. **Typical property values are for comparison purpose only

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.

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 180 / 15 x 300
Square Yards Per Roll	250 / 500
Estimated Roll Weight - lbs	295 / 570

EFFECTIVE DATE: 01/04/2010

Made in U.S.A.