



GE-180

Nonwoven Geotextile

Style GE-180 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GE-180 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a ph range of 2 to 13. SKAPS GE-180 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)	TYPICAL VALUE**
Nominal Weight	ASTM D 5261	oz/yd ² (g/m ²)	8.0 (271)	8.5 (288)
Thickness*	ASTM D 5199	mils (mm)		90 (2.3)
Grab Tensile	ASTM D 4632	lbs (kN)	225 (1.00)	259 (1.150)
Grab Elongation	ASTM D 4632	%	50	70
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	90 (.400)	99 (0.440)
Puncture Resistance	ASTM D 4833	lbs (kN)	130 (.578)	140 (0.660)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	600 (2.667)	700 (3.112)
Mullen Burst Strength	ASTM D 3786	Psi (kPa)	425 (2928)	460 (3175)
Permittivity*	ASTM D 4491	l/sec	1.26	1.42
Permeability*	ASTM D 4491	cm/sec	0.3	0.40
Water Flow*	ASTM D 4491	gpm/sf (l/sec/m ²)	100 (67.9)	110 (74.7)
AOS*	ASTM D 4751	US Sieve (mm)	100 (.150)	100 -120 (.15 -.125)
UV Resistance	ASTM D 4355	%/hrs	70/500	80/500

* At the time of manufacturing. Handling, storage, and shipping may change these properties.

** Typical 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) – Meters	3.81 x 109.727 / 4.57 x 91.44
Square Meters Per Roll	418.06
Estimated Roll Weight – kg	118

Effective Date: 01/04/2010