



Engineered Synthetic Products, Inc.  
 Tel (770) 564-1857  
 Fax (770) 564-1818  
 www.espgeosynthetics.com

# SKAPS NONWOVEN CIVIL GEOTEXTILES

PROPERTY	UNIT	TEST METHOD	DRAINAGE / FILTRATION						EROSION CONTROL / SEPARATION/ UNDERLAYMENT				ASPHALT OVERLAY	
			GT131	GT135	GT140	GT142	GT160	GT170	GT180	GT110	GT112	GT116	GC130	GC140
Weight (Typical)	oz/sy (g/sm)	ASTM D5261	3.1 (105)	3.5 (119)	4.0 (136)	4.2 (142)	6.0 (203)	7.0 (237)	8.0 (271)	10.0 (339)	12.0 (407)	16.0 (542)	3.8 (129)	4.2 (143)
Grab Tensile	lbs (kN)	ASTM D4632	80 (.35)	90 (.401)	100 (.445)	120 (.533)	160 (.711)	180 (.80)	205 (.911)	250 (1.11)	300 (1.33)	380 (1.69)	90 (.40)	102 (.453)
Grab Elongation	%	ASTM D4632	50	50	50	50	50	50	50	50	50	50	50	50
Trapezoid Tear	lbs (kN)	ASTM D4533	30 (.13)	40 (.178)	50 (.222)	50 (.222)	60 (.267)	75 (.333)	85 (.378)	100 (.444)	115 (.511)	145 (.644)	35 (.155)	45 (.20)
CBR Puncture Resistance	lbs (kN)	ASTM D6241	175 (.76)	265 (1.18)	300 (1.32)	340 (1.46)	410 (1.82)	475 (2.11)	535 (2.38)	700 (3.11)	850 (3.78)	1080 (4.82)	275 (1.22)	300 (1.24)
Permittivity <sup>1</sup>	I/sec	ASTM D4491	2.2	2.2	2.0	1.8	1.6	1.5	1.4	1.2	1.0	0.7	---	---
Water Flow <sup>1</sup>	gpm/sf (l/min/sm)	ASTM D4491	150 (6095)	150 (6095)	140 (5689)	120 (4885)	110 (4480)	100 (4074)	90 (3657)	80 (3251)	75 (3055)	50 (2035)	---	---
A.O.S. <sup>1</sup>	U.S. Sieve (mm)	ASTM D4751	50 (.30)	50 (.30)	70 (.212)	70 (.212)	70 (.212)	70 (.212)	80 (.180)	100 (.150)	100 (.150)	100 (.150)	---	---
U.V. Resistance	%/hrs	ASTM D4355	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500	70/500
Asphalt Retention	gal/sy	---	---	---	---	---	---	---	---	---	---	---	0.2	0.2
Melting Point	°F (°C)	---	---	---	---	---	---	---	---	---	---	---	300 (149)	300 (149)

<sup>1</sup> At time of manufacturing. Handling, storage and shipping may change these properties.

### AASHTO

M288 Survivability Class	---	---	---	3	2	2	1	1	1	1	---	---
M288 Application <sup>2</sup>	---	---	S/F	S/F	SP,D	SP,D	SP,ST, D,E	SP,ST, D,E	SP,ST, D,E	SP,ST, D,E	---	A/O

<sup>2</sup> S/F = Silt Fence SP = Separation ST = Stabilization E = Erosion Control D = Drainage A/O = Asphalt Overlay

### PACKAGING

Roll Dimensions (ft)	12.5/15 x 360				12.5 x 360 15 x 300		12.5 x 360 15 x 300			15 x 150	6.25/10.5/12.5/ 15 x 360
Square Yards/Roll	500/600				500		500			250	250/420/500/600
Estimated Roll Weight (lbs)	125/145	130/155	146/172	152/180	195	220	250	320	375	250	70/115/130/150