

# NONWOVEN & WOVEN GEOTEXTILES

PHYSICAL PROPERTIES ■ ENGLISH & METRIC UNITS

## NONWOVEN FABRICS

*Drainage / Filtration*

*Erosion Control /  
Separation / Underlayment*

*Paving Fabric*

## WOVEN FABRICS

*Silt Fence*

*Stabilization / Separation*

*Erosion Control*

# SKAPPS



Sales Office:  
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 Fax (770) 564-1818  
 www.espgeosynthetics.com

## Geotextile Product Description Sheet

### SKAPS GC130 Nonwoven Geotextile

SKAPS GC130 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GC130 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GC130 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	3.8 (129)
Grab Tensile	ASTM D 4632	lbs (kN)	90 (0.4)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	35 (0.155)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	275 (1.22)
Asphalt Retention		gal/ sq yd.	0.2
Melting Point		°F(°C)	300(149)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	6.25/10.5/12.5/15 x360
Square Yards Per Roll	250/420/500/600
Estimated Roll Weight – lbs	70/115/130/150

\* At the time of manufacturing. Handling may change these properties.

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## Geotextile Product Description Sheet

### SKAPS GC140 Nonwoven Geotextile

SKAPS GC140 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GC140 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GC140 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	4.2 (143)
Grab Tensile	ASTM D 4632	lbs (kN)	102 (0.453)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	45 (.20)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	300 (1.24)
Asphalt Retention		gal/ sq yd.	0.2
Melting Point		°F(°C)	300(149)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	6.25/10.5/12.5/15 x360
Square Yards Per Roll	250/420/500/600
Estimated Roll Weight – lbs	70/115/130/150

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## Geotextile Product Description Sheet

### SKAPS GT-110 Nonwoven Geotextile

SKAPS GT-110 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-110 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-110 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	10.0 (339)
Grab Tensile	ASTM D 4632	lbs (kN)	250 (1.11)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	100 (0.444)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	700 (3.11)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.2
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	80 (3251)
AOS*	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight - lbs	320

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## Geotextile Product Description Sheet

### SKAPS GT-112 Nonwoven Geotextile

SKAPS GT-112 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-112 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-112 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	12.0 (407)
Grab Tensile	ASTM D 4632	lbs (kN)	300 (1.33)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	115 (0.511)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	850 (3.78)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.0
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	75 (3055)
AOS*	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight – lbs	375

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**Geotextile Product Description Sheet**  
**SKAPS GT114**  
**Nonwoven Geotextile**

SKAPS GT114 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT114 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT114 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	15.0 (509)
Grab Tensile	ASTM D 4632	lbs (kN)	390(1.73)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	135(0.60)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	1045 (4.65)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	0.64
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	50 (2037)
AOS	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 390
Square Yards Per Roll	650
Estimated Roll Weight – lbs	620

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## Geotextile Product Description Sheet

### SKAPS GT-116 Nonwoven Geotextile

SKAPS GT-116 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-116 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-116 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	16.0 (542)
Grab Tensile	ASTM D 4632	lbs (kN)	380 (1.69)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	145 (0.644)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	1080 (4.82)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	0.7
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	50 (2035)
AOS*	ASTM D 4751	US Sieve (mm)	100 (0.150)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 150
Square Yards Per Roll	250
Estimated Roll Weight – lbs	250

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## Geotextile Product Description Sheet

### SKAPS GT-131 Nonwoven Geotextile

SKAPS GT-131 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-131 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-131 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	3.1 (105)
Grab Tensile	ASTM D 4632	lbs (kN)	80 (0.35)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	30 (0.13)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	175 (0.76)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	2.2
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	150 (6095)
AOS*	ASTM D 4751	US Sieve (mm)	50 (0.30)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight – lbs	125/145

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## Geotextile Product Description Sheet

### SKAPS GT-135 Nonwoven Geotextile

SKAPS GT-135 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-135 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-135 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	3.5 (119)
Grab Tensile	ASTM D 4632	lbs (kN)	90 (0.401)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	40 (0.178)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	265 (1.18)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	2.0
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	150 (6095)
AOS*	ASTM D 4751	US Sieve (mm)	50(0.3)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight – lbs	130/155

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## Geotextile Product Description Sheet

### SKAPS GT-140 Nonwoven Geotextile

SKAPS GT-140 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-140 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-140 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	4.0 (136)
Grab Tensile	ASTM D 4632	lbs (kN)	100 (0.445)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	50 (0.222)
CBR Puncture Resistance	ASTM D 6241	Lbs (kN)	300 (1.32)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	2.0
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	140 (5689)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight - lbs	146/172

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## Geotextile Product Description Sheet

### SKAPS GT-142 Nonwoven Geotextile

SKAPS GT-142 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-142 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-142 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	4.2 (142)
Grab Tensile	ASTM D 4632	lbs (kN)	120 (0.533)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	50 (0.222)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	340 (1.46)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.7
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	120 (4885)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5/15 x 360
Square Yards Per Roll	500/600
Estimated Roll Weight – lbs	152/180

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## Geotextile Product Description Sheet

### SKAPS GT-150 Nonwoven Geotextile

SKAPS GT-150 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPSGT-150 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-150 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	5.25 (180)
Grab Tensile	ASTM D 4632	lbs (kN)	135 (0.60)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	55(0.24)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	350 (1.56)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.6
Water Flow*	ASTM D 4491	gpm/sq. ft.	115
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Gross Roll Weight – lbs	187

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## Geotextile Product Description Sheet

### SKAPS GT-160 Nonwoven Geotextile

SKAPS GT-160 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-160 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-160 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	6.0 (203)
Grab Tensile	ASTM D 4632	lbs (kN)	160 (0.711)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	60 (0.267)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	410 (1.82)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.5
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	110 (4480)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight – lbs	195

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## Geotextile Product Description Sheet

### SKAPS GT-170 Nonwoven Geotextile

SKAPS GT-170 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. SKAPS GT-170 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. SKAPS GT-170 conforms to the physical property values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	7.0 (237)
Grab Tensile	ASTM D 4632	lbs (kN)	180 (0.80)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	75 (0.333)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	475 (2.11)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.4
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	100 (4074)
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight – lbs	220

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## Geotextile Product Description Sheet

### SKAPS GT-180 Nonwoven Geotextile

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

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/yd <sup>2</sup> (g/m <sup>2</sup> )	8.0 (271)
Grab Tensile	ASTM D 4632	lbs (kN)	205 (0.911)
Grab Elongation	ASTM D 4632	%	50
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	85 (0.378)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	535 (2.38)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	1.35
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	90 (3657)
AOS*	ASTM D 4751	US Sieve (mm)	80 (0.180)
UV Resistance	ASTM D 4355	%/hrs	70/500

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 15 x 300
Square Yards Per Roll	500
Estimated Roll Weight - lbs	250

\* At the time of manufacturing. Handling may change these properties.

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## Geotextile Product Description Sheet

### SKAPS M404

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization and drainage applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS M404 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/sm)	5.6 (190)
Grab Tensile	ASTM D 4632	lbs (kN)	370X200(1.65X0.889)
Grab Elongation	ASTM D 4632	%	15
Trapezoidal Tear	ASTM D 4533	lbs (kN)	115x75 (0.51 x 0.33)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	675 (3.0)
Water Flow*	ASTM D 4491	gpm/sf (l/min/sm)	145 (5907)
Permittivity*	ASTM D 4491	Sec <sup>-1</sup>	2.1
AOS*	ASTM D 4751	US Sieve (mm)	40 (0.425)
Percent Open Area	CW0-02215-86	%	10
UV Resistance		%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 300
Square Yards Per Roll	400
Estimated Roll Weight - lbs	155

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## Geotextile Product Description Sheet

### SKAPS M440

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in reinforcement, stabilization and drainage applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS M440 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/sm)	15 (510)
Grab Tensile	ASTM D 4632	lbs (kN)	475 x 440 (2.1 x 1.96)
Grab Elongation	ASTM D 4632	%	15
Wide Width Tensile	ASTM D 4595	Lb/ft (kN/m)	4800 (70)
Wide Width Tensile@5%	ASTM D 4595	Lb/ft (kN/m)	2400 (35)
Wide Width Elongation	ASTM D 4595	%	10/8
Trapezoidal Tear	ASTM D 4533	lbs (kN)	180 (0.8))
Puncture Resistance	ASTM D 6241	lbs (kN)	1400 (6.19)
Water Flow*	ASTM D 4491	gpm/sf (l/min/sm)	30 (1222)
Permittivity*	ASTM D 4491	Sec <sup>-1</sup>	0.4
AOS*	ASTM D 4751	US Sieve (mm)	30 (0.6)
UV Resistance		%/hrs	80/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 300
Square Yards Per Roll	500
Estimated Roll Weight - lbs	475

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## Geotextile Product Description Sheet

### SKAPS M706

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization and drainage applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS M706 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/sm)	5.6 (190)
Grab Tensile	ASTM D 4632	lbs (kN)	370X250(1.65X1.11)
Grab Elongation	ASTM D 4632	%	16x15
Trapezoidal Tear	ASTM D 4533	lbs (kN)	100 x 60 ( 445 x 0.267)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	950 (4.28)
Water Flow*	ASTM D 4491	gpm/sf (l/min/sm)	18 (733)
Permittivity*	ASTM D 4491	Sec <sup>-1</sup>	0.28
AOS*	ASTM D 4751	US Sieve (mm)	70 (0.212)
Percent Open Area	CW0-02215-86	%	4
UV Resistance		%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12 x 300
Square Yards Per Roll	400
Estimated Roll Weight - lbs	155

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## Geotextile Product Description Sheet

### SKAPS MT4050

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in reinforcement, stabilization and drainage applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS MT4050 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. All listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/sm)	8.0 (272)
Grab Tensile	ASTM D 4632	lbs (kN)	315 (1.40)
Grab Elongation	ASTM D 4632	%	15
Wide Width Tensile	ASTM D 4595	lbs/ft (kN/m)	2400 (35)
Trapezoidal Tear	ASTM D 4533	lbs (kN)	125 (0.55)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	1000 (4.4)
Water Flow*	ASTM D 4491	gpm/sf (l/min/sm)	50 (2036)
Permittivity*	ASTM D 4491	Sec <sup>-1</sup>	0.7
AOS*	ASTM D 4751	US Sieve (mm)	40
UV Resistance		%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	15 x 300
Square Yards Per Roll	500
Estimated Roll Weight - lbs	260

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## Geotextile Product Description Sheet

### SKAPS W100

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS W100 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight(Typical)	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	3.2 (102)
Grab Tensile	ASTM D 4632	lbs (kN)	124 (0.55)
Grab Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	45 (0.20)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	325 (1.45)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	0.1
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	10 (408)
AOS*	ASTM D 4751	US Sieve (mm)	30 (0.6)
UV Resistance	ASTM D 4355	%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	2/3x100/ 300/ 750
Square Yards Per Roll	22/66/165/33/100/248
Estimated Roll Weight - lbs	8/20/10/30

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## Geotextile Product Description Sheet

### SKAPS W200

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS W200 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	4.0 (136)
Grab Tensile	ASTM D 4632	lbs (kN)	200 (0.9)
Grab Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	75 (0.33)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	700 (3.12)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	.05
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	5 (203)
AOS*	ASTM D 4751	US Sieve (mm)	40 (.43)
UV Resistance	ASTM D 4355	%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 432' / 17.5 x 309
Square Yards Per Roll	600
Estimated Roll Weight - lbs	190

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## Geotextile Product Description Sheet

### SKAPS W250

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS W250 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	5.0 (170)
Grab Tensile	ASTM D 4632	lbs (kN)	250 (1.11)
Grab Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	90 (0.405)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	900 (4.005)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	.05
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	4 (163)
AOS*	ASTM D 4751	US Sieve (mm)	40 (.425)
UV Resistance	ASTM D 4355	%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 432 / 17.5 x 309
Square Yards Per Roll	600
Estimated Roll Weight - lbs	190

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## Geotextile Product Description Sheet

### SKAPS W270

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. SKAPS W270 resists ultraviolet resistance, rotting, biological degradation and it is chemically inert to any natural bases or acids. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	5.6 (190)
Grab Tensile	ASTM D 4632	lbs (kN)	270 (1.2)
Grab Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	100 (0.444)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	1000 (4.45)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	.05
Water Flow*	ASTM D 4491	gpm/ft <sup>2</sup> (l/min/m <sup>2</sup> )	4 (163)
AOS*	ASTM D 4751	US Sieve (mm)	40 (.425)
UV Resistance	ASTM D 4355	%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 17.5 x 258
Square Yards Per Roll	500
Estimated Roll Weight - lbs	210

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## Geotextile Product Description Sheet

### SKAPS W315

SKAPS woven geotextile fabrics are woven polypropylene materials offering optimum performance when used in stabilization applications. Produced from first quality raw materials, they provide the perfect balance of strength and separation in styles capable of functioning exceptionally well in a wide range of performance requirements. Unless indicated below, all listed properties are Minimum Average Roll Values:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	6.3 (214)
Grab Tensile	ASTM D 4632	lbs (kN)	315 (1.40)
Grab Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	lbs (kN)	120 (.533)
CBR Puncture Resistance	ASTM D 6241	lbs (kN)	100 (4.45)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	.05
Water Flow*	ASTM D 4491	gpm/sf (l/min/m <sup>2</sup> )	4 (163)
AOS*	ASTM D 4751	US Sieve (mm)	40 (.425)
UV Resistance	ASTM D 4355	%/hrs	70/500

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

PACKAGING	
Roll Dimensions (W x L) – ft	12.5 x 360 / 17.5 x 258
Square Yards Per Roll	500
Estimated Roll Weight - lbs	210

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