Containment Systems Inc.

4.2 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

4.2 oz geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	4.5 (153)
Grab Tensile	ASTM D4632	lbs (kN)	120 (.533)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	50 (.222)
Puncture Resistance	ASTM D4833	lbs (kN)	70 (.311)
Mullen Burst	ASTM D3786	psi (kPa)	240 (1654)
Permittivity*	ASTM D4491	sec^{-1}	1.8
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	120 (4885)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	70 (.212)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (W x L) - Ft	12.5 x 360 / 15 x 300
Square Yards per Roll	500 / 600
Estimated Roll Weight - lbs	152 / 192

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Containment Systems Inc.

6 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

The 6 oz geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	6.0 (203)
Grab Tensile	ASTM D4632	lbs (kN)	160 (.711)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	65 (.289)
Puncture Resistance	ASTM D4833	lbs (kN)	90 (.40)
Mullen Burst	ASTM D3786	psi (kPa)	315 (2170)
Permittivity*	ASTM D4491	sec^{-1}	1.6
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	110 (4480)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	70 (.212)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (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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Containment Systems Inc.

8 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

8oz Geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	8.0 (271)
Grab Tensile	ASTM D4632	lbs (kN)	205 (.911)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	85 (.378)
Puncture Resistance	ASTM D4833	lbs (kN)	130 (.578)
Mullen Burst	ASTM D3786	psi (kPa)	400 (2756)
Permittivity*	ASTM D4491	sec^{-1}	1.4
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	90 (3657)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	80 (.180)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (W x L) - Ft	12.5 x 360 / 15 x 300
Square Yards per Roll	500
Estimated Roll Weight - lbs	250

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Containment Systems Inc.

10 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

10 oz geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	10.0 (339)
Grab Tensile	ASTM D4632	lbs (kN)	250 (1.11)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	100 (0.444)
Puncture Resistance	ASTM D4833	lbs (kN)	160 (0.711)
Mullen Burst	ASTM D3786	psi (kPa)	520 (3583)
Permittivity*	ASTM D4491	sec^{-1}	1.2
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	80 (3251)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	80 (0.180)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (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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Containment Systems Inc.

12 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

12oz geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	12.0 (407)
Grab Tensile	ASTM D4632	lbs (kN)	300 (1.33)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	115 (0.511)
Puncture Resistance	ASTM D4833	lbs (kN)	180 (0.80)
Mullen Burst	ASTM D3786	psi (kPa)	600 (4134)
Permittivity*	ASTM D4491	sec^{-1}	1.0
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	75 (3055)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	100 (0.150)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (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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Containment Systems Inc.

16 oz Non-woven Geotextile

This geotextile is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. Our geotextile resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13.

16 oz geotextile conforms to the physical values listed below:

PROPERTY	TEST METHOD	UNIT	M.A.R.V. (Minimum Average Roll Value)
Weight (Typical)	ASTM D5261	oz/yd2 (g/m2)	16.0 (542)
Grab Tensile	ASTM D4632	lbs (kN)	380 (1.69)
Grab Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (kN)	145 (.644)
Puncture Resistance	ASTM D4833	lbs (kN)	240 (1.07)
Mullen Burst	ASTM D3786	psi (kPa)	750 (5168)
Permittivity*	ASTM D4491	sec^{-1}	0.7
Water Flow*	ASTM D4491	gpm/ft2 (l/min/m2)	50 (2035)
A.O.S.*	ASTM D4751	U.S. Sieve (mm)	100 (0.150)
U.V. Resistance	ASTM D4355	%/hrs	70/500

*Note: Properties at the time of manufacturing. Handling, storage, and shipping may change these properties.

PACKAGING	
Roll Dimension (W x L) - Ft	15 x 150
Square Yards per Roll	250
Estimated Roll Weight - lbs	250

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