



SAMAFE USA

www.samafeusa.com

Manufacturers & Distributors Worldwide

NON WOVEN GEOTEXTILES

GEOTEXTILE NT 1600
GEOTEXTILE NT1800
GEOTEXTILE NT 2000
GEOTEXTILE NT 3000
GEOTEXTILE NT 4000
GEOTEXTILE NT 5000
GEOTEXTILE NT 6000
GEOTEXTILE NT 7000
GEOTEXTILE REPAV 400
GEOTEXTILE REPAV 450

WOVEN GEOTEXTILES

GEOTEXTILE T 1050
GEOTEXTILE T 1400
GEOTEXTILE T 1700
GEOTEXTILE T 2100
GEOTEXTILE T 2400
GEOTEXTILE TR 4000





SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 1600

**NON WOVEN
GEOTEXTILES**



Geotextile NT1600, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT1600 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	450 (102)
	Tensile Strength			
	Elongation			
	Puncture Strength	ASTM D-4833	N (lb)	250 (56)
	Trapezoidal Tear	ASTM D-4533	N (lb)	200 (45)
	Mullen Burst Method	ASTM D-3786	kPa (psi)	1380 (200)
	Burst strength			
Wide Width Tensile Strength	ASTM D-4595	kN/m	8	
Tensile Strength				
Elongation				55
CBR Puncture Strength	ASTM D-6241	kN	1.6	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.150 (100)
	Permeability	ASTM D-4491	cm/s	41 x 10 ⁻²
	Permittivity	ASTM D-4491	s ⁻¹	3.0
	Water Flow Rate	ASTM D-4491	l/min/m ²	9217
PHYSICAL	Thickness	ASTM D-5199	mm	1.4
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	160
Roll Area	Calculated	m ²	560	
			m ²	608
			m ²	640
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

- Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
- The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 1800

**NON WOVEN
GEOTEXTILES**



Geotextile NT1800, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT1800 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	540 (122)
	Tensile Strength Elongation		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	290 (65)
	Trapezoidal Tear	ASTM D-4533	N (lb)	230 (52)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	1656 (240)
	Wide Width Tensile Strength Tensile Strength Elongation			kN/m %
CBR Puncture Strength	ASTM D-6241	kN	1.7	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.125 (120)
	Permeability	ASTM D-4491	cm/s	38×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	2.5
	Water Flow Rate	ASTM D-4491	l/min/m ²	7255
PHYSICAL	Thickness	ASTM D-5199	mm	1.5
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	150
Roll Area	Calculated	m ²	525	
		m ²	570	
		m ²	600	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

- Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
- The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 2000

**NON WOVEN
GEOTEXTILES**



Geotextile NT2000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT2000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	630 (142)
	Tensile Strength Elongation		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	350 (79)
	Trapezoidal Tear	ASTM D-4533	N (lb)	260 (59)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	1794 (260)
	Wide Width Tensile Strength Tensile Strength Elongation			kN/m %
CBR Puncture Strength	ASTM D-6241	kN	2.0	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.125 (120)
	Permeability	ASTM D-4491	cm/s	37×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	2.2
	Water Flow Rate	ASTM D-4491	l/min/m ²	6503
PHYSICAL	Thickness	ASTM D-5199	mm	1.7
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	130
Roll Area	Calculated	m ²	455	
		m ²	494	
		m ²	520	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 3000

**NON WOVEN
GEOTEXTILES**



Geotextile NT3000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT3000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	780 (176)
	Tensile Strength		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	430 (97)
	Trapezoidal Tear	ASTM D-4533	N (lb)	350 (79)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	2208 (320)
	Wide Width Tensile Strength			
Tensile Strength	ASTM D-4595	kN/m	14	
Elongation			%	58
	CBR Puncture Strength	ASTM D-6241	kN	2.2
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.125 (120)
	Permeability	ASTM D-4491	cm/s	38×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	1.9
	Water Flow Rate	ASTM D-4491	l/min/m ²	5550
PHYSICAL	Thickness	ASTM D-5199	mm	2.0
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	120
Roll Area	Calculated	m ²	420	
		m ²	456	
		m ²	480	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

- Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
- The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 4000

**NON WOVEN
GEOTEXTILES**



Geotextile NT4000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT4000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	1060 (239)
	Tensile Strength		%	
	Elongation			> 50
	Puncture Strength	ASTM D-4833	N (lb)	640 (144)
	Trapezoidal Tear	ASTM D-4533	N (lb)	415 (93)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	2967 (430)
Wide Width Tensile Strength	Tensile Strength	ASTM D-4595	kN/m	18
			%	66
Elongation				
CBR Puncture Strength	ASTM D-6241	kN	3.3	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.106 (140)
	Permeability	ASTM D-4491	cm/s	33×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	1.3
	Water Flow Rate	ASTM D-4491	l/min/m ²	4120
PHYSICAL	Thickness	ASTM D-5199	mm	2.4
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	130
Roll Area	Calculated	m ²	455	
		m ²	494	
		m ²	520	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 5000

**NON WOVEN
GEOTEXTILES**



Geotextile NT5000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT5000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	1200 (270)
	Tensile Strength Elongation		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	700 (158)
	Trapezoidal Tear	ASTM D-4533	N (lb)	419 (94)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	3243 (470)
	Wide Width Tensile Strength Tensile Strength Elongation			kN/m %
CBR Puncture Strength	ASTM D-6241	kN	3.4	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.106 (140)
	Permeability	ASTM D-4491	cm/s	34 x 10 ⁻²
	Permittivity	ASTM D-4491	s ⁻¹	1.3
	Water Flow Rate	ASTM D-4491	l/min/m ²	3730
PHYSICAL	Thickness	ASTM D-5199	mm	2.6
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	120
Roll Area	Calculated	m ²	420	
		m ²	456	
		m ²	480	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE

SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 6000

**NON WOVEN
GEOTEXTILES**



Geotextile NT6000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT6000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	1450 (326)
	Tensile Strength		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	810 (182)
	Trapezoidal Tear	ASTM D-4533	N (lb)	480 (108)
	Mullen Burst Method	ASTM D-3786	kPa (psi)	3795 (550)
	Burst strength			
Wide Width Tensile Strength	ASTM D-4595	kN/m	25	
Tensile Strength		%	64	
	CBR Puncture Strength	ASTM D-6241	kN	4.0
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.106 (140)
	Permeability	ASTM D-4491	cm/s	29 x 10 ⁻²
	Permittivity	ASTM D-4491	s ⁻¹	1.0
	Water Flow Rate	ASTM D-4491	l/min/m ²	2876
PHYSICAL	Thickness	ASTM D-5199	mm	3.0
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	100
Roll Area	Calculated	m ²	350	
		m ²	380	
		m ²	400	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE NT 7000

**NON WOVEN
GEOTEXTILES**



Geotextile NT7000, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured at PAVCO facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile NT7000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	1800 (405)
	Tensile Strength Elongation		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	940 (212)
	Trapezoidal Tear	ASTM D-4533	N (lb)	530 (119)
	Mullen Burst Method Burst strength	ASTM D-3786	kPa (psi)	4830 (700)
	Wide Width Tensile Strength Tensile Strength Elongation			kN/m %
CBR Puncture Strength	ASTM D-6241	kN	5.2	
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.106 (140)
	Permeability	ASTM D-4491	cm/s	29 x 10 ⁻²
	Permittivity	ASTM D-4491	s ⁻¹	0.9
	Water Flow Rate	ASTM D-4491	l/min/m ²	2547
PHYSICAL	Thickness	ASTM D-5199	mm	3.3
	Roll Width	Measured	m	3.5
			m	3.8
			m	4.0
	Roll Length	Measured	m	80
Roll Area	Calculated	m ²	280	
		m ²	304	
		m ²	320	
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE

SAMAFE USA

www.samafeusa.com

**NON WOVEN
GEOTEXTILES**

INTERNATIONAL SPECIFICATION GEOTEXTILE REPAV 400



Geotextile REPAV 400, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile REPAV 400 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	520 (117)
	Tensile Strength		%	> 50
	Puncture Strength	ASTM D-4833	N (lb)	290 (65)
	Trapezoidal Tear	ASTM D-4533	N (lb)	210 (47)
	Mullen Burst Method	ASTM D-3786	kPa (psi)	1449 (210)
	Burst strength			
Wide Width Tensile Strength	ASTM D-4595	kN/m	8.0	
Tensile Strength		%	56	
	CBR Puncture Strength	ASTM D-6241	kN	1.5
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	N.A
	Permeability	ASTM D-4491	cm/s	N.A
	Permittivity	ASTM D-4491	s ⁻¹	N.A
	Water Flow Rate	ASTM D-4491	l/min/m ²	N.A
PHYSICAL	Thickness	ASTM D-5199	mm	1.3
	Roll Width	Measured	m	3.8
	Roll Length	Measured	m	180
	Roll Area	Calculated	m ²	684
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE

**NON WOVEN
GEOTEXTILES**

SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE REPAV 450



Geotextile REPAV 450, is a polypropylene, staple fiber, needlepunched NON WOVEN Geotextile manufactured facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The fibers are needed to form a stable network that retain dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile REPAV 450 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength	ASTM D-4632	N (lb)	580 (131)
	Tensile Strength		%	>50
	Puncture Strength	ASTM D-4833	N (lb)	350 (79)
	Trapezoidal Tear	ASTM D-4533	N (lb)	240 (55)
	Mullen Burst Method	ASTM D-3786	kPa (psi)	1794 (260)
	Burst strength			
Wide Width Tensile Strength	ASTM D-4595	kN/m	10.0	
Tensile Strength		%	56	
	CBR Puncture Strength	ASTM D-6241	kN	1.9
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	N.A
	Permeability	ASTM D-4491	cm/s	N.A
	Permittivity	ASTM D-4491	s ⁻¹	N.A
	Water Flow Rate	ASTM D-4491	l/min/m ²	N.A
PHYSICAL	Thickness	ASTM D-5199	mm	1.5
	Roll Width	Measured	m	3.8
	Roll Length	Measured	m	150
	Roll Area	Calculated	m ²	570
ENDURANCE	UV Resistance (% retained @ 500 hours)	ASTM D-4355	%	> 80

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE T 1050

**WOVEN
GEOTEXTILES**



Geotextile T1050, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile T1050 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	630 (142) 17
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	N.A
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	N.A
	Puncture Strength	ASTM D-4833	N (lb)	380 (86)
	Trapezoidal Tear	ASTM D-4533	N (lb)	240 (54)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	2174 (315)
	CBR Puncture Strength	ASTM D-6241	kN	-
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.300 (50)
	Permeability	ASTM D-4491	cm/s	0.4×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.1
	Water Flow Rate	ASTM D-4491	l/min/m ²	257
PHYSICAL	Thickness	ASTM D-5199	mm	0.40
	Roll Width	Measured	m	3.85
	Roll Length	Measured	m	200
	Roll Area	Calculated	m ²	770

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE T 1400

**WOVEN
GEOTEXTILES**



Geotextile T1400, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile T1400 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	920 (207) 19
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	24 21
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	25 14
	Puncture Strength	ASTM D-4833	N (lb)	530 (119)
	Trapezoidal Tear	ASTM D-4533	N (lb)	280 (63)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	3381 (490)
	CBR Puncture Strength	ASTM D-6241	kN	3.8
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.250 (60)
	Permeability	ASTM D-4491	cm/s	1.2×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.2
	Water Flow Rate	ASTM D-4491	l/min/m ²	515
PHYSICAL	Thickness	ASTM D-5199	mm	0.60
	Roll Width	Measured	m	3.85
	Roll Length	Measured	m	160
	Roll Area	Calculated	m ²	616

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE T 1700

**WOVEN
GEOTEXTILES**



Geotextile T1700, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile T1700 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	1080 (246) 19
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	23 16
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	29 16
	Puncture Strength	ASTM D-4833	N (lb)	580 (132)
	Trapezoidal Tear	ASTM D-4533	N (lb)	400 (91)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	3450 (500)
	CBR Puncture Strength	ASTM D-6241	kN	3.8
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.425 (40)
	Permeability	ASTM D-4491	cm/s	1.6×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.2
	Water Flow Rate	ASTM D-4491	l/min/m ²	554
PHYSICAL	Thickness	ASTM D-5199	mm	0.80
	Roll Width	Measured	m	3.85
	Roll Length	Measured	m	120
	Roll Area	Calculated	m ²	462

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE T 2100

**WOVEN
GEOTEXTILES**



Geotextile T2100, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile T2100 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	1280 (288) 20
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	30 21
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	35 16
	Puncture Strength	ASTM D-4833	N (lb)	715 (161)
	Trapezoidal Tear	ASTM D-4533	N (lb)	430 (98)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	4485 (650)
	CBR Puncture Strength	ASTM D-6241	kN	5.4
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.600 (30)
	Permeability	ASTM D-4491	cm/s	7×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.7
	Water Flow Rate	ASTM D-4491	l/min/m ²	2060
PHYSICAL	Thickness	ASTM D-5199	mm	1.00
	Roll Width	Measured	m	3.85
	Roll Length	Measured	m	100
	Roll Area	Calculated	m ²	385

December 2003

NOTES

- Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
- The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

**P.O. Box 571102
Houston, TX 77257**

**relloyd@samafeusa.com
Manufacturers & Distributors Worldwide**

**Ph: (713) 384 - 0319
Fax: (713) 937 - 0196**



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE T 2400

WOVEN
GEOTEXTILES



Geotextile T2400, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile T2400 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	1570 (353) 22
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	34 23
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	41 18
	Puncture Strength	ASTM D-4833	N (lb)	820 (186)
	Trapezoidal Tear	ASTM D-4533	N (lb)	520 (117)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	5175 (750)
	CBR Puncture Strength	ASTM D-6241	kN	5.9
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.600 (30)
	Permeability	ASTM D-4491	cm/s	8.2×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.8
	Water Flow Rate	ASTM D-4491	l/min/m ²	2257
PHYSICAL	Thickness	ASTM D-5199	mm	1.03
	Roll Width	Measured	m	3.85
	Roll Length	Measured	m	100
	Roll Area	Calculated	m ²	385

December 2003

NOTES

- Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
- The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

P.O. Box 571102
Houston, TX 77257

relloyd@samafeusa.com
Manufacturers & Distributors Worldwide

Ph: (713) 384 - 0319
Fax: (713) 937 - 0196



SAMAFE USA

www.samafeusa.com

INTERNATIONAL SPECIFICATION GEOTEXTILE TR 4000

WOVEN
GEOTEXTILES



Geotextile TR4000, is a polypropylene, composed of two sets (wrap and filling) of parallel yarns systematically interlaced to form a planar structure. WOVEN Geotextile is manufactured at facilities that has achieved ISO 9001: 2000 certification for its systematic approach to quality, and environmental management system according to ISO 14001 certification. The individual slit films are woven together in such a manner as to provide dimensional stability relative to each other. The Geotextile is resistant to biological and chemical environments normally found in soils, and to ultraviolet degradation. Geotextile TR4000 conforms to the property values listed below, which have been derived from quality control testing performed by accredited (SIC Resolution 35707) laboratory.

	PROPERTY	TEST METHOD	UNIT	TYPICAL ROLL VALUES
MECHANICAL	Grab Tensile Strength Tensile Strength Elongation	ASTM D-4632	N (lb) %	2500 (568) 23
	Wide Width Tensile Strength Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	64 27
	Tensile Strength Cross Machine Direction Elongation @ Break	ASTM D-4595	kN/m %	64 18
	Puncture Strength	ASTM D-4833	N (lb)	1330 (302)
	Trapezoidal Tear	ASTM D-4533	N (lb)	730 (164)
	Mullen Burst Method Burst Strength	ASTM D-3786	kPa (psi)	8556 (1240)
	CBR Puncture Strength	ASTM D-6241	kN	9.5
HYDRAULIC	Apparent Opening Size (AOS)	ASTM D-4751	mm (Sieve Num)	0.300 (50)
	Permeability	ASTM D-4491	cm/s	6.5×10^{-2}
	Permittivity	ASTM D-4491	s ⁻¹	0.5
	Water Flow Rate	ASTM D-4491	l/min/m ²	1446
PHYSICAL	Thickness	ASTM D-5199	mm	1.32
	Roll Width	Measured	m	3.83
	Roll Length	Measured	m	100
	Roll Area	Calculated	m ²	383

December 2003

NOTES

1. Property values on this specification, are valid since Dic-03 and could be modify without a previous advice.
2. The values published match up the unfavorable direction of the geotextile. Typical values corresponds to average of historical information.

The information contained here is in furnished without charge or obligation, and the recipient assumes all responsibility for its use. Because conditions of use and handling may vary and are beyond our control, we make not representation about, and are not responsible or liable for, the accuracy or reliability of said information of the performance of any product. Any specifications, properties or applications listed here in are provided as information only and in no way modify, amend, enlarge or create any warranty. This information is for free distribution.

P.O. Box 571102
Houston, TX 77257

relloyd@samafeusa.com
Manufacturers & Distributors Worldwide

Ph: (713) 384 - 0319
Fax: (713) 937 - 0196