

GEOTEX[®] NONWOVEN CIVIL GEOTEXTILES

PRODUCT LINE CARD¹

LIGHTWEIGHT																
		Property	Test Method	Value	Unit	311			351*			401		451		501
MECHANICAL	Grab Tensile Strength	ASTM D-4632	MARV	lb	80	90			120			100		150		
					N	356			400			534		667		
	Grab Elongation	ASTM D-4632	MARV	%	50%	50			50			50		50		
					N	210			260			310		360		
HYDRAULIC	CBR Puncture	ASTM D-6241	MARV	lb	934	1157			1380			1112		1602		
					N	30			40			50		60		
	Trapezoidal Tear	ASTM D-4533	MARV	N	133	178			222			200		267		
					US Sieve mm	50			50			70		70		
ENDURANCE	Apparent Opening Size	ASTM D-4751	MaxARV	mm	0.300	0.300			0.212			0.212		0.212		
	Permittivity	ASTM D-4491	MARV	sec ⁻¹	2.0	2.0			1.7			1.8		1.4		
	Water Flow Rate	ASTM D-4491	MARV	gpm/ft ² l/min/m ²	150 6112	150 6112			140 5704			120 4889		115 4686		
PACKAGING	UV Resistance	ASTM D-4355	MARV	% Retained @ 500 hrs	70	70			70			70		70		
	Roll Width ²	Measured	Typical	ft	12.5	15	12.5	15	5	12.5	15	12.5	15	15		
					m	3.81	4.57	3.81	4.57	1.52	3.81	4.57	3.81	4.57	4.57	
	Roll Length	Measured	Typical	ft	360	360	360	360	330	360	360	360	360	360		
m					110	109.8	109.8	109.8	100.6	109.8	109.8	109.8	109.8	109.8		
Roll Area	Measured	Typical	yd ²	500	600	500	600	183	500	600	500	600	600			
				m ²	418	502	418	502	153	418	502	418	502	502		

Notes: 1. The property values are effective 05/2012 and are subject to change without notice.

2. Contact your local Territory Sales Manager (TSM) for custom widths and colors. Lead times may vary depending on customer requirements and volume requested.

* The 5' by 330' roll widths are for silt fence applications



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ORANGE BARRIER FABRICS									
	Property	Test Method	Value	Unit	311 OR	401 OR	601 OR	801 OR	1001 OR
MECHANICAL	Grab Tensile Strength	ASTM D-4632	Typical	lb	80	120	198	240	250
				N	356	534	881	1068	1112
	Grab Elongation	ASTM D-4632	Typical	%	50	70	70	70	50
	CBR Puncture	ASTM D-6241	Typical	lb	210	310	493	605	625
N				934	1380	2194	2692	2781	
Trapezoidal Tear	ASTM D-4533	Typical	lb	30	50	85	95	100	
			N	133	222	378	423	445	
HYDRAULIC	Apparent Opening Size	ASTM D-4751	Typical	US Sieve	50	70	70	80	100
				mm	0.300	0.212	0.212	0.180	0.150
	Permittivity	ASTM D-4491	Typical	sec ⁻¹	2.0	2.0	2.0	1.7	1.2
	Water Flow Rate	ASTM D-4491	Typical	gpm/ft ²	150	150	150	110	85
				l/min/m ²	6112	6112	6112	4482	3463
PACKAGING	Roll Width ²	Measured	Typical	ft	15	15	15	15	15
				m	4.57	4.57	4.57	4.57	4.57
	Roll Length	Measured	Typical	ft	360	360	360	360	360
				m	109.8	109.8	109.8	109.8	109.8
Roll Area	Measured	Typical	yd ²	600	600	600	600	600	
			m ²	502	502	502	502	502	

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MEDIUMWEIGHT													
		Property	Test Method	Value	Unit	601		701		801		801 HUV	
MECHANICAL	Grab Tensile Strength		ASTM D-4632	MARV	lb N	160		180		205		205	
						712		801		912		912	
	Grab Elongation		ASTM D-4632	MARV	%	50		50		50		50	
CBR Puncture		ASTM D-6241	MARV		lb N	410		460		525		525	
						1824		2047		2336		2336	
Trapezoidal Tear		ASTM D-4533	MARV		lb N	60		75		80		80	
						267		334		356		356	
HYDRAULIC	Apparent Opening Size		ASTM D-4751	MaxARV	US Sieve mm	70		70		80		80	
						0.212		0.212		0.180		0.180	
	Permittivity		ASTM D-4491	MARV	sec ⁻¹	1.3		1.5		1.5		1.5	
	Water Flow Rate		ASTM D-4491	MARV	gpm/ft ² l/min/m ²	110		110		110		110	
						4482		4482		4482		4482	
ENDURANCE	UV Resistance		ASTM D-4355	MARV	% Retained @ 500 hrs	70		70		70		90 *70 @ 1000 hrs	
PACKAGING	Roll Width ²	Measured	Typical		ft m	12.5 15		12.5 15		12.5 15		12.5 15	
						3.81 4.57		3.81 4.57		3.81 4.57		3.81 4.57	
	Roll Length	Measured	Typical		ft m	360 300		360 300		360 300		360 300	
109.8 91.5						109.8 91.5		109.8 91.5		109.8 91.5			
Roll Area	Measured	Typical		yd ² m ²	500 500		500 500		500 500		500 500		
					418 418		418 418		418 418		418 418		

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HEAVYWEIGHT ³								
	Property	Test Method	Value	Unit	1001	1101	1201	1601
MECHANICAL	Grab Tensile Strength	ASTM D-4632	MARV	lb N	250 1112	275 1224	300 1335	380 1691
	Grab Elongation	ASTM D-4632	MARV	%	50	50	50	50
	CBR Puncture	ASTM D-6241	MARV	lb N	625 2781	725 3226	825 3671	1025 4561
	Trapezoidal Tear	ASTM D-4533	MARV	lb N	100 445	105 467	115 512	150 667
HYDRAULIC	Apparent Opening Size	ASTM D-4751	MaxARV	US Sieve mm	100 0.150	100 0.150	100 0.150	100 0.150
	Permittivity	ASTM D-4491	MARV	sec ⁻¹	1.2	1.2	1.0	0.7
	Water Flow Rate	ASTM D-4491	MARV	gpm/ft ² l/min/m ²	85 3463	85 3463	75 3056	50 2037
ENDURANCE	UV Resistance	ASTM D-4355	MARV	% Retained @ 500 hrs	70	70	70	70
PACKAGING	Roll Width ²	Measured	Typical	ft m	15 4.57	15 4.57	15 4.57	15 4.57
	Roll Length	Measured	Typical	ft m	300 91.5	300 91.5	300 91.5	300 91.5
	Roll Area	Measured	Typical	yd ² m ²	500 418	500 418	500 418	500 418

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3. Propex has the capability to manufacture geotextiles up to approximately 32 oz/yd² (Geotex 3201)