



## LINQ Geotextile Physical Properties (English Units)

GTF Series		Woven Slit Film						Woven Monofilament			Woven High Strength				
		Silt Fence		Separation/Stabilization				Erosion Control, Drainage			Reinforcement, Retaining Walls				
Primary Applications <sup>1</sup>		Silt Fence		Separation/Stabilization				Erosion Control, Drainage			Reinforcement, Retaining Walls				
Properties (MARV <sup>2</sup> )		ASTM TEST	GTF 180	GTF 190	GTF 200S	GTF 200	GTF 250	GTF 300	GTF 400E	GTF 400EO	GTF 404	GTF 370	GTF 375N	GTF 565	GTF 570
Grab Tensile Strength (lbs)	MD CD	D4632	120 100	123 101	180	200	250	315	370 250	365 200	400 315	400 250	425 350	550 550	475 440
Wide Width Tensile (lbs/in)	MD CD	D4595	N/A	N/A	N/A	N/A	N/A	N/A	225 145	200 140	250 230	270 225	270 225	350 400	400 400
Elongation (%)	MD CD	D4632	15	15	15	15	15	15	16 15	24 10	15 15	15 6	21 21	15 6	12 6
Trapezoid Tear (lbs)	MD CD	D4533	50	50	70	75	90	120	100 60	115 75	150 165	180 110	145 125	150 200	180 180
Puncture (lbs)		D4833	60	60	80	100	100	150	120	90	150	180	150	200	195
Mullen Burst (psi)		D3786	280	280	305	400	500	630	450	450	800	800	650	1200	1200
UV Stability (% @ 500 hrs)		D4355	90	90	90	90	90	90	90	90	90	70	90	70	70
Permittivity (sec <sup>-1</sup> )		D4491	0.150	0.150	0.080	0.080	0.050	0.050	0.280	2.100	0.900	0.520	0.960	0.025	0.400
Flow Rate (gpm/ft <sup>2</sup> )		D4491	10	10	6	6	4	4	18	145	70	40	70	2	30
Permeability (cm/sec)		D4491	0.010 <sup>T</sup>	0.010 <sup>T</sup>	0.010 <sup>T</sup>	0.010 <sup>T</sup>	0.005 <sup>T</sup>	0.005 <sup>T</sup>	0.010	0.140	0.068	0.050	0.046	0.001	0.050
AOS <sup>3</sup> (US Sieve #)		D4751	30	30	40	40	40	50	70	40	40	30	40	40	30
AOS <sup>3</sup> (mm)		D4751	0.600	0.600	0.425	0.425	0.425	0.300	0.212	0.425	0.425	0.600	0.425	0.425	0.600
Weight (oz/yd <sup>2</sup> )		D5261	3.0 <sup>T</sup>	3.2 <sup>T</sup>	4.5 <sup>T</sup>	5.0 <sup>T</sup>	5.5 <sup>T</sup>	6.5 <sup>T</sup>	5.6 <sup>T</sup>	5.6 <sup>T</sup>	8.0 <sup>T</sup>	8.5 <sup>T</sup>	7.4 <sup>T</sup>	13.7 <sup>T</sup>	14.5 <sup>T</sup>
Thickness (mils)		D5199	16 <sup>T</sup>	16 <sup>T</sup>	20 <sup>T</sup>	20 <sup>T</sup>	21 <sup>T</sup>	22 <sup>T</sup>	15 <sup>T</sup>	28 <sup>T</sup>	35 <sup>T</sup>	38 <sup>T</sup>	20 <sup>T</sup>	45 <sup>T</sup>	63 <sup>T</sup>
Packaging <sup>4</sup>			GTF 180	GTF 190	GTF 200S	GTF 200	GTF 250	GTF 300	GTF 400E	GTF 400EO	GTF 404	GTF 370	GTF 375N	GTF 565	GTF 570
Roll Width (ft)			3	3	12.5 15 17.5	12.5 15 17.5	12.5 15 17.5	12.5 15 17.5	12	12.5	15	15	12.5	15	15
Roll Area (yd <sup>2</sup> )			MR <sup>5</sup>	MR <sup>5</sup>	600	600	600	600	400	417	500	500	417	500	500
Roll Weight (lbs)			MR <sup>5</sup>	MR <sup>5</sup>	190	205	230	270	155	170	265	265	210	445	475

**Footnotes:**

- 1 - These are common applications for the listed products. Contact your LINQ distributor or representative for technical assistance and for LINQ products meeting AASHTO M288 specifications. Additional information can also be found at [www.LINQ.com](http://www.LINQ.com).
- 2 - Minimum Average Roll Value. All values are MARV unless otherwise indicated. Values listed are for the weakest principal direction unless designated as machine direction (MD) or cross-machine direction (CD).
- 3 - Apparent Opening Size (AOS) values are reported as Maximum Average Roll Value.
- 4 - Other products and roll sizes may be available.
- 5 - Master Rolls: Roll lengths, areas, and weights may vary.
- T - Typical (average) roll properties.

**Authorized Distributor:**





**LINQ Geotextile Physical Properties**  
**(English Units)**

<b>EX Series</b>		<b>Needlepunched Nonwovens</b>										
<b>Primary Applications<sup>1</sup></b>		<b>Separation, Drainage, Asphalt Overlay</b>				<b>Separation, Drainage</b>		<b>Stabilization, Permanent Erosion Control</b>				
<b>Properties (MARV<sup>2</sup>)</b>	<b>ASTM TEST</b>	<b>120EX</b>	<b>125EX</b>	<b>130EX</b>	<b>140EX</b>	<b>150EX</b>	<b>160EX</b>	<b>180EX</b>	<b>225EX</b>	<b>250EX</b>	<b>275EX</b>	<b>350EX</b>
Grab Tensile Strength (lbs)	D4632	80	90	105	120	165	180	205	215	270	300	380
Wide Width Tensile (lbs/in)	D4595	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Elongation (%)	D4632	50	50	50	50	50	50	50	50	50	50	50
Trapezoid Tear (lbs)	D4533	35	40	45	50	65	75	80	85	100	115	145
Puncture (lbs)	D4833	45	55	65	70	90	105	120	125	155	175	240
Mullen Burst (psi)	D3786	160	185	210	230	310	330	350	360	460	580	750
UV Stability (% @ 500 hrs)	D4355	70	70	70	70	70	70	70	70	70	70	70
Permittivity (sec <sup>-1</sup> )	D4491	2.2	2.1	2.0	1.8	1.5	1.5	1.5	1.3	1.2	0.9	0.7
Flow Rate (gpm/ft <sup>2</sup> )	D4491	160	155	145	135	110	110	110	95	85	65	50
Permeability (cm/sec)	D4491	0.22	0.22	0.22	0.22	0.25	0.25	0.30	0.30	0.25	0.20	0.20
AOS <sup>3</sup> (US Sieve #)	D4751	70	70	70	70	80	100	100	100	100	100	100
AOS <sup>3</sup> (mm)	D4751	0.212	0.212	0.212	0.212	0.180	0.150	0.150	0.150	0.150	0.150	0.150
Weight (oz/yd <sup>2</sup> )	D5261	3.2 <sup>T</sup>	3.5 <sup>T</sup>	4.0 <sup>T</sup>	4.5 <sup>T</sup>	6.0 <sup>T</sup>	7.0 <sup>T</sup>	8.0 <sup>T</sup>	9.0 <sup>T</sup>	10.0 <sup>T</sup>	12.0 <sup>T</sup>	16.0 <sup>T</sup>
Thickness (mils)	D5199	45 <sup>T</sup>	50 <sup>T</sup>	55 <sup>T</sup>	60 <sup>T</sup>	75 <sup>T</sup>	85 <sup>T</sup>	90 <sup>T</sup>	95 <sup>T</sup>	100 <sup>T</sup>	120 <sup>T</sup>	150 <sup>T</sup>
<b>Packaging<sup>4</sup></b>		<b>120EX</b>	<b>125EX</b>	<b>130EX</b>	<b>140EX</b>	<b>150EX</b>	<b>160EX</b>	<b>180EX</b>	<b>225EX</b>	<b>250EX</b>	<b>275EX</b>	<b>350EX</b>
Roll Width (ft)		12.5'	12.5'	12.5'	12.5'	12.5'	12.5'	12.5'	12.5'	12.5'	15'	15'
		15'	15'	15'	15'	15'	15'	15'	15'	15'		
Roll Area (yd <sup>2</sup> )		500	500	500	500	500	500	500	500	500	500	500
Roll Weight (lbs)		125	135	150	170	230	260	290	315	350	410	530

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself or herself as to the suitability and completeness of such information for his or her own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer any warranty against infringement. LINQ and the LINQ INDUSTRIAL FABRICS emblem are registered trademarks of LINQ.  
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