



LINQ Geotextile Physical Properties
(Metric Units)

GTF Series		Woven Slit Film						Woven Monofilament			Woven High Strength			
Primary Applications ¹		Silt Fence		Separation/Stabilization				Erosion Control, Drainage			Reinforcement, Retaining Walls			
Properties (MARV ²)	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 (N)	MD CD D4632	534 445	550 450	801	890	1113	1402	1647 1113	1624 890	1780 1402	1780 1113	1891 1558	2448 2448	2114 1958
Wide Width Tensile (kN/m)	MD CD D4595	N/A	N/A	N/A	N/A	N/A	N/A	40 26	35 24	44 40	47.3 39.4	47 39	61.3 70	70 70
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 (N)	MD CD D4533	223	223	312	334	401	534	445 267	512 334	668 734	757 490	645 556	668 890	801 801
Puncture (N)	D4833	267	267	356	445	445	668	534	401	668	801	668	890	868
Mullen Burst (kPa)	D3786	1930	1930	2103	2758	3447	4343	3102	3102	5515	5515	4481	8273	8273
UV Stability (% @ 500 hrs)	D4355	90	90	90	90	90	90	90	90	90	70	90	70	70
Permittivity (sec ⁻¹)	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 (l/min/m ²)	D4491	407	407	244	244	163	163	733	5908	2852	1630	2852	82	1222
Permeability (cm/sec)	D4491	0.010 ^T	0.010 ^T	0.010 ^T	0.010 ^T	0.005 ^T	0.005 ^T	0.010	0.140	0.068	0.050	0.046	0.001	0.050
AOS ³ (US Sieve #)	D4751	30	30	40	40	40	50	70	40	40	30	40	40	30
AOS ³ (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 (g/m ²)	D5261	102 ^T	109 ^T	153 ^T	170 ^T	187 ^T	220 ^T	190 ^T	190 ^T	271 ^T	288 ^T	251 ^T	465 ^T	492 ^T
Thickness (mm)	D5199	.406 ^T	.406 ^T	.508 ^T	.508 ^T	.533 ^T	.559 ^T	.381 ^T	.711 ^T	.889 ^T	.965 ^T	.508 ^T	1.143 ^T	1.60 ^T
Packaging ⁴		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 (m)		0.914	0.914	3.81 4.57 5.33	3.81 4.57 5.33	3.81 4.57 5.33	3.81 4.57 5.33	3.66	3.81	4.57	4.57	3.81	4.57	4.57
Roll Area (m ²)		MR ⁵	MR ⁵	501.7	501.7	501.7	501.7	334	349	418	418	349	418	418
Roll Weight (kg)		MR ⁵	MR ⁵	86.26	93.07	104.42	122.58	70.37	77.18	120.3	120.31	95.34	202.03	215.65

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.
- 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 (Metric Units)

EX Series		Needlepunched Nonwovens										
Primary Applications ¹		Separation, Drainage, Filtration, Asphalt Overlay				Separation, Drainage, Filtration		Stabilization, Filtration, Permanent Erosion Control				
Properties (MARV ²)	ASTM TEST	120EX	125EX	130EX	140EX	150EX	160EX	180EX	225EX	250EX	275EX	350EX
Grab Tensile Strength (N)	D4632	356	401	467	534	734	801	912	957	1202	1335	1691
Wide Width Tensile (kN/m)	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 (N)	D4533	156	178	200	223	289	334	356	378	445	512	645
Puncture (N)	D4833	200	245	289	312	401	467	534	556	690	779	1068
Mullen Burst (kPa)	D3786	1103	1275	1448	1586	2137	2275	2413	2482	3171	3999	5171
UV Stability (% @ 500 hrs)	D4355	70	70	70	70	70	70	70	70	70	70	70
Permittivity (sec ⁻¹)	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 (l/min/m ²)	D4491	6519	6315	5908	5501	4482	4482	4482	3871	3463	2648	2037
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 ³ (US Sieve #)	D4751	70	70	70	70	80	100	100	100	100	100	100
AOS ³ (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 (g/m ²)	D5261	109 ^T	119 ^T	136 ^T	153 ^T	204 ^T	237 ^T	271 ^T	305 ^T	339 ^T	407 ^T	543 ^T
Thickness (mm)	D5199	1.143 ^T	1.27 ^T	1.397 ^T	1.524 ^T	1.905 ^T	2.159 ^T	2.286 ^T	2.413 ^T	2.54 ^T	3.048 ^T	3.81 ^T
Packaging ⁴		120EX	125EX	130EX	140EX	150EX	160EX	180EX	225EX	250EX	275EX	350EX
Roll Width (m)		3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	3.81	4.57	4.57
Roll Area (m ²)		418	418	418	418	418	418	418	418	418	418	418
Roll Weight (kg)		56.75	61.29	68.1	77.18	104.42	118.04	131.66	143.01	158.9	186.14	240.62

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LINQ Industrial Fabrics, Inc.
Geotextile Division
2550 West Fifth North St.
Summerville, SC 29483
USA

Toll Free: 800-445-4675
Direct: 843-873-5800
Fax: 843-875-8276