

Medium Strength Woven Geotextiles

Thrace-LINQ™ offers a wide range of medium strength wovens for uses in a variety of civil applications, such as roads, walls, unpaved road slopes, and bridges. Our medium strength fabrics are high modulus and designed with unique hydraulic and physical properties, making them valuable tools for a range of functions.

Reinforcing Fabrics

Lower-flow, twill-weave fabrics provide reinforcement in applications where water flow is less critical. Designed with high strength at lower weights, these fabrics range from 4,200 – 8,400 pounds/foot. (ASTM D4595)

Features & Benefits

- *Twill-weave construction with improved flow*
- *High-modulus fabric resistant to installation damage*
- *Cost-effective reinforcement with separation benefits*

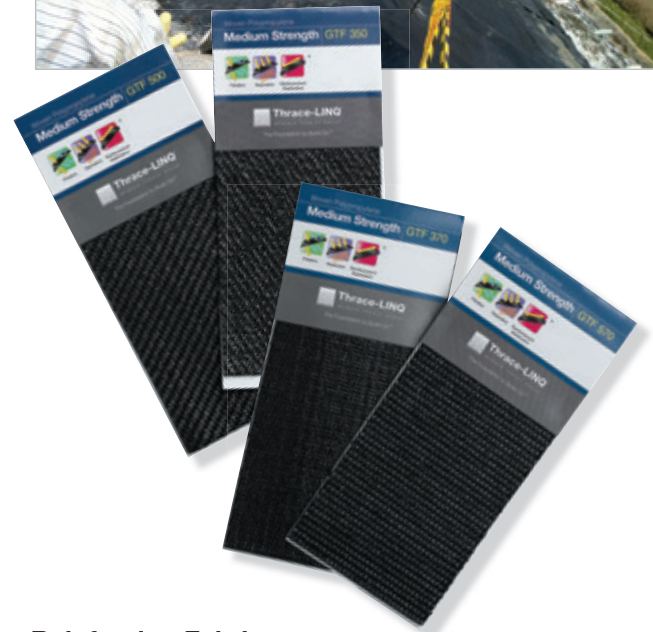
High Flow Reinforcement

When job site conditions require higher flow fabrics, Thrace has you covered. We offer fabrics for use in the most demanding applications, with tensile properties ranging from 2,640 – 7,200 pounds/foot. (ASTM D4595)

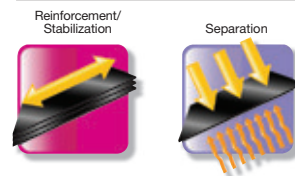
Features & Benefits

- *Unique construction, promoting high water flow*
- *Stable, durable fabrics*
- *Reinforcing properties with separation and filtration capabilities*

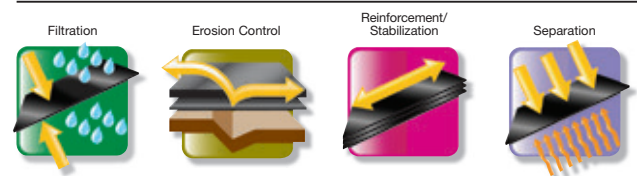
Whether an unpaved haul, maintenance road or general reinforcement for bridge abutments, Thrace has the fabric for your job-specific needs. Call us today for your woven fabric needs.



Reinforcing Fabrics



High Flow Reinforcement



Woven Polypropylene

			Medium Strength						
Properties	ASTM TEST	UNIT	GTF 350	GTF 400	GTF 500	GTF 700	GTF 320	GTF 370	GTF 570
MECHANICAL PROPERTIES²									
Grab Tensile Strength	D4632	lbs (N)	350 / 350 (1557 / 1557)	400 / 400 (1779 / 1779)	600 / 600 (2669 / 2669)	700 / 700 (3114 / 3114)	400 / 350 (1779 / 1557)	400 / 250 (1779 / 1112)	475 / 440 (2113 / 1957)
Wide Width Tensile ULT	D4595	lbs/ft (kN/m)	3179 / 2711 (46 / 40)	3749 / 4030 (55 / 59)	4800 / 4800 (70 / 70)	6056 / 5515 (88 / 80)	2700 / 2640 (39 / 39)	3600 / 2700 (53 / 39)	4800 / 4800 (70 / 70)
WW Elongation	D4632	%	11.4 / 7.9	9.4 / 6.6	10.2 / 7.2	13.2 / 9.6	9.0 / 8.0	9.0 / 7.0	9.0 / 5.5
Trapezoid Tear	D4533	lbs (N)	120 / 120 (534 / 534)	150 / 150 (667 / 667)	200 / 200 (890 / 890)	250 / 250 (1112 / 1112)	166 / 145 (738 / 645)	180 / 110 (801 / 489)	180 / 180 (801 / 801)
CBR Puncture	D6241	lbs (N)	1000 (4448)	1200 (5338)	1400 (6228)	1700 (7562)	1475 (6561)	1520 (6761)	2000 (8896)
ENDURANCE PROPERTIES²									
UV Stability	D4355	% @ 500 hrs	80	80	80	80	80	80	80
HYDRAULIC PROPERTIES²									
Permittivity	D4491	sec ⁻¹	0.150	0.160	0.136	0.109	0.700	0.520	0.400
WaterFlow Rate	D4491	gpm/ft2 (l/min/m ²)	11 (448)	12 (489)	10 (407)	8 (326)	50 (2037)	40 (1630)	30 (1222)
Apparent Opening Size (AOS ³)	D4751	US Sieve (mm)	40 (0.425)	40 (0.425)	80 (0.180)	80 (0.180)	40 (0.425)	30 (0.600)	30 (0.600)
Percent Open Area CW02215		%	N / A	N / A	N / A	N / A	N / A	N / A	N / A
Packaging^{4,T}									
Roll Width	ft		15 / 17.1	15 / 17.1	15 / 17.1	15 / 17.1	15	15	15
	(m)		(4.6 / 5.2)	(4.6 / 5.2)	(4.6 / 5.2)	(4.6 / 5.2)	(4.6)	(4.6)	(4.6)
Roll Length	ft		300 / 328	300 / 328	300 / 328	300 / 328	300	300	300
	(m)		(91.4 / 100.0)	(91.4 / 100.0)	(91.4 / 100.0)	(91.4 / 100.0)	(91.4)	(91.4)	(91.4)
Roll Area	yd ²		500 / 623	500 / 623	500 / 623	500 / 623	500	500	500
	(m ²)		(418 / 521)	(418 / 521)	(418 / 521)	(418 / 521)	(418)	(418)	(418)
Roll Weight (est.)	lbs		226 / 285	282 / 355	363 / 456	457 / 573	279	329	454
	(kg)		(103 / 129)	(128 / 161)	(165 / 207)	(207 / 260)	(127)	(149)	(206)

The property values listed above are effective 09/2012 and are subject to change without notice.

¹ Contact your Thrace-LINQ distributor or representative for technical assistance and for products meeting AASHTO M288 specifications.

Additional information can also be found at www.thracelinq.com. Methods and values may change without notice.

² Minimum Average Roll Value. All values are MARV unless otherwise noted.

³ AOS values are reported as Maximum Average Roll Value.

⁴ Other products and roll sizes may be available.

Roll lengths, areas, and weights may vary.

^T Typical roll properties.

Mullen Burst ASTM D3786 and Puncture D4833 have been removed.

Neither test method is recognized by AASHTO M288.

CBR puncture D6241 has replaced D4833, under AASHTO M288.

Mullen Burst is not recognized by D35 committee on Geosynthetics.