

## CHECKMATE WOVEN GEOTEXTILE (GTW)

FOR FILTRATION | DRAINAGE | SEPARATION |  
 REINFORCEMENT APPLICATIONS

Checkmate woven geotextile GTW range is made from Polypropylene (PP) fibers using a precision weaving process. They are characterized by high tensile Strengths at low elongation, hence yielding high Tensile Modulus. These woven geotextiles are dimensionally stable, resistant to Ultra- Violet (UV) degradation and are engineered to be mechanically and chemically stable in aggressive soil environments and are also resistant to biological environments normally found in soil.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	GTW200 CL3	GTW250 CL2	GTW315 CL1
Grab Tensile Strength <sup>(1)</sup>	ASTM D 4632	Lbs	200	250	315
Grab Elongation	ASTM D 4632	%	15	15	15
Trapezoidal Tear <sup>(1)</sup>	ASTM D 4533	Lbs	80	90	115
Mullen Burst (psi) <sup>(1)</sup>	ASTM D 3786	psi	410	500	600
Puncture Strength <sup>(1)</sup>	ASTM D 4833	Lbs	90	100	120
Apparent Opening Size (AOS)	ASTM D 4751	US Sieve	40	40	40
Permittivity <sup>(1)</sup>	ASTM D 4491	sec <sup>1</sup>	0.05	0.05	0.02
Water Flow Rate <sup>(1)</sup>	ASTM D 4491	g/m/sf	4	4	4
UV Resistance <sup>(1)</sup>	ASTM D 4355	% at 500hrs	70	70	70
PHYSICAL PROPERTIES	TEST METHOD	UNIT	GTW200 CL3	GTW250 CL2	GTW315 CL1
Roll Dimensions Width <sup>(2)(3)</sup>	Minimum	m	3.81/5.33	3.81/5.33	3.81/5.33
Roll Dimensions Length <sup>(2)(3)</sup>	Minimum	m	132	132/94	110/79
AASHTO-M-288-NTPEP Tested			Class III	Class II	Class I

**NOTE:** (1) MARV Values (2) Typical (3) Custom Length orders can be accommodated upon request.

### CHECKMATE WOVEN GEOTEXTILES (GTW) Typical Applications:

- Filtration
- Drainage
- Separation
- Reinforcement

**Disclaimer:** Checkmate reserves the right to change these specifications without notice and at its sole discretion. The user of this specification sheet is required to obtain formal confirmation from Checkmate of the current specification of the product it intends to use.

