

## CHECKMATE GTX100 Non-Woven Geotextile

### FOR FILTRATION, DRAINAGE AND SEPARATION APPLICATIONS

Checkmate GTX100 Non-Woven series of high quality geotextiles are of 100% Polyester, continuous filament, needle punched, Non-Woven fabric with UV resistance.

PROPERTIES		TEST METHOD	UNIT	GTX100
Tensile Strength	XD	ASTM D 4595	kN/m	5.5
	MD	ASTM D 4595	kN/m	7
Elongation at maximum load	XD	ASTM D 4595	%	65
	MD	ASTM D 4595	%	64
Grab Strength	XD	ASTM D 4632	kN(>=)	0.36
	MD	ASTM D 4632	kN (>=)	0.42
Grab Elongation	XD	ASTM D 4533	%	55
	MD	ASTM D 4533	%	55
Trapezoidal Tear	XD	ASTM D 4533	kN (>=)	0.16
	MD	ASTM D 4533	kN (>=)	0.24
Burst Strength – CBR plunger method		ASTM D 6421	kN (>=)	0.85
Mullen Burst		ASTM D 3786	Mpa	1.2
Puncture resistance		ASTM D 4833	kN (>=)	220
Cone drop resistance (hole-Ø) Dynamic perforation diameter		BS EN 918/ AS 3706.5	mm	34
<b>HYDRAULIC PROPERTIES</b>				
Flow Rate, $Q_{100}$		ASTM D 4491	L/s/m <sup>2</sup>	200
Permeability		ASTM D 4491	cm/s	0.48
Apparent Opening Size		ASTM D 5741	mm	0.12
<b>PHYSICAL PROPERTIES</b>				
Mass per unit area		ASTM D 5261	Oz/yd <sup>2</sup> g/m <sup>2</sup>	2.9 100
Thickness		ASTM D 5199	mm	1.1
Width			m	1-6
Approximately Loading quantity in 1 x 40' ft HC			Sq.m	75,000

**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.