

# EMCO CORPORATION

## GEOSYNTHETICS

### Non-Woven Geotextile

PROPERTY	UNIT	ASTM Test Method	EMCO 3.1	EMCO 3.5	EMCO 4	EMCO 4.5	EMCO 6	EMCO 7	EMCO 8	EMCO 10	EMCO 12	EMCO 16
Weight	oz/yd <sup>2</sup>	ASTM	3.1	3.5	4.0	4.5	6.0	7.0	8.0	10.0	12.0	16.0
	g/m <sup>2</sup>	D5261	105	119	136	153	203	237	271	339	407	542
Grab Tensile	lbs	ASTM	80	90	100	120	160	180	205	250	300	380
	N	D4632	350	401	445	533	711	800	911	1110	1330	1690
Grab Elongation	%	ASTM D4632	50	50	50	50	50	50	50	50	50	50
Trapezoid Tear	lbs	ASTM	25	40	50	50	65	75	85	100	115	145
	N	D4533	110	178	222	222	289	333	378	444	511	644
Puncture Resistance	lbs	ASTM	30	60	65	70	90	105	130	160	180	240
	N	D4833	130	267	289	311	400	467	578	711	800	1070
Mullen Burst	psi	ASTM	130	185	215	240	315	350	400	520	600	750
	kPa	D3786	896	1275	1481	1654	2170	2412	2756	3583	4134	5168
Permittivity*	sec <sup>-1</sup>	ASTM D4491	2.2	2.2	2.0	1.8	1.6	1.5	1.4	1.2	1.0	0.7
Water Flow*	gpm/ft <sup>2</sup>	ASTM	150	150	140	120	110	100	90	80	75	50
	l/min/m <sup>2</sup>	D4491	6095	6095	5689	4885	4480	4074	3657	3251	3055	2035
Apparent Opening Size*	U.S. Sieve	ASTM	50	70	70	70	70	70	80	100	100	100
	mm	D4751	0.30	0.212	0.212	0.212	0.212	0.212	0.180	0.150	0.150	0.150
U.V. Resistance	% Retained / 500 hrs	ASTM D4355	70	70	70	70	70	70	70	70	70	70
<b>Packaging</b>												
Roll Width	ft		12.5	12.5	12.5	12.5	15	15	15	15	15	15
	m		3.81	3.81	3.81	3.81	4.57	4.57	4.57	4.57	4.57	4.57
Roll Length	ft		360	360	360	360	300	300	300	300	300	150
	m		109.73	109.73	109.73	109.73	91.44	91.44	91.44	91.44	91.44	45.72
Roll Area	yd <sup>2</sup>		500	500	500	500	500	500	500	500	500	250
	sm		418	418	418	418	418	418	418	418	418	209
Approx. Roll Weight	lbs		125	130	146	152	195	220	250	320	375	250
	kg		56.7	59.0	66.2	69.0	88.5	99.8	113.4	145.1	170.1	113.4

\*At the time of manufacturing. Handling, storage, and shipping may change these properties.

**EMCO Non-Woven Geotextiles** are needle-punched and made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability.

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