

# Non-Woven Geotextiles

## Property Table



### NON-WOVEN GEOTEXTILES PROPERTY TABLE

#### ENGLISH & METRIC UNITS

	Property	Test Method	Value	Unit	KM 06	KM 08	KM 10	KM 12	KM 16
Mechanical	Grab Tensile Strength	ASTM D-4632	MARV	lbs	160	205	250	305	380
				N	711	912	1,113	1,357	1,690
	Grab Elongation	ASTM-4632	MARV	%	50	50	50	50	50
	CBR Puncture	ASTM D-6241	MARV	lbs	410	525	700	825	1,025
				N	1,825	2,336	3,113	3,670	4,561
	Mullen Burst	ASTM D-3786	MARV	PSI	315	400	520	600	750
kPa				2,170	2,756	3,583	4,134	5,168	
Trapezoidal Tear	ASTM D-4533	MARV	lbs	60	80	100	115	145	
			N	267	356	445	511	644	
Hydraulic	Apparent Opening Size (AOS)	ASTM D-4751	Max ARV	US Sieve	70	80	100	100	100
				mm	0.212	0.18	0.15	0.15	0.15
	Permittivity	ASTM D-4491	MARV	sec <sup>-1</sup>	1.4	1.3	1.2	1	0.7
	Water Flow Rate	ASTM D-4491	MARV	gpm/ft <sup>2</sup>	105	90	85	75	50
				l/min/m <sup>2</sup>	4,276	3,667	3,454	3,055	2,037
UV Resistance	ASTM D-4355	MARV	% retained @ 500 hours	70	70	70	70	70	
Endurance	Roll Width	Measured	ft	15	15	15	15	15	
			m	4.57	4.57	4.57	4.57	4.57	
	Roll Length	Measured	ft	300	300	300	300	150	
			m	91.44	91.44	91.44	91.44	45.72	
	Roll Weight	Measured	lbs	195	250	320	375	250	
			kg	88.5	113.4	145.1	170.1	113.4	
Roll Area	Measured	yd <sup>2</sup>	500	500	500	500	500		
		m <sup>2</sup>	418	418	418	418	418		

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

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PDS-002 REV 2 (2023)

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