

GREEN GEOTEXTILE PHYSICAL PROPERTIES

NONWOVEN (100% POST CONSUMER CONTENT) POLYESTER				
	Test method	GN 100	GN 200	GN 300
Width (m)		3.81/4.57	4.57	4.57
Length (m)		121.9	91.44	61
Thickness (mils)	ASTM D-1777	60	120	145
Mass per unit area (oz/yd ² , minimum)	ASTM D-3776	4.5 - 5	8	12
Grab Strength (lbs)	ASTM D-4632	100	200	300
Elongation (%)	ASTM D-4632	50	50	50
Trapezoid Tear (lbg)	ASTM D-4533	45	85	115
Mullen Burst (psi)	ASTM D-3786	210	350	580
Puncture Strength (lb)	ASTM D-4833	65	110	175
AOS (US Sieve Size)	ASTM D-4751	70	80	100
Permittivity (sec ⁻¹)	ASTM D-4491	2	1.5	1
Water Flow Rate (gpm/ft ²)	ASTM D-4491	140	110	75
UV Resistance (%)	ASTM D-4355	70	70	70

WOVEN (20% POST CONSUMER CONTENT) POLYPROPYLENE & POLYESTER			
	Test Method	GNW 1910	GNW 1908
Width (m)		3.81/4.57/5.33	3.81/4.57/5.33
Length (m)		121.9	121.9
Mass per unit area (oz/yd ² , minimum)	ASTM D-4776	3	5
Grab Tensile (lbs)	ASTM D-4632	MD 130, CD 70	MD 250, CD 230
Elongation at break (%)	ASTM D-4632	MD 22.5, CD 35	MD 27.5, CD 45.5
Trapezoid Tear (lb)	ASTM D-4533	MD 80, CD 65	MD 95, CD 150
Puncture Strength (lb)	ASTM D-4833	65	130
AOS (mm)	ASTM D-4751	0.700	0.235
Water Flow Rate (gpm/ft ²)	ASTM D-4491	94	12.5
Permittivity (sec ⁻¹)	ASTM D-4491	1.25	0.175
UV Resistance (%)	ASTM D-4533	70	70
Polypropylene & recycled polyester			

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Systems

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