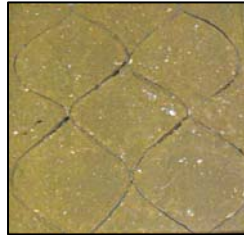




# EnviroGrid Paver

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MATERIAL PROPERTIES	TEST METHOD	UNIT	TEST VALUE
Minimum Polymer Density	ASTM D-1505	g/cm <sup>3</sup> (lb/ft <sup>3</sup> )	0.940 (58.7)
Environmental Stress Crack Resistance	ASTM D-1693	hrs	3400
Carbon Black Content	ASTM D-1603	% by weight	1.5% minimum
Nominal Sheet Thickness	ASTM D-5199	mm (mils)	1.25 (50) ± 5%

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUE
Nominal Expanded Cell Size (width x length)	mm (in)	146 (5.75) x 127 (5)
Nominal Expanded Cell Area	cm <sup>2</sup> (in <sup>2</sup> )	92.9 (14.4)
Nominal Expanded Section (width x length)	m (ft)	1.46 (4.8) x 3.68 (12.08)
Nominal Expanded Section Area (width x length)	m <sup>2</sup> (ft <sup>2</sup> )	5.4 (58)
Cell Depth	mm (in)	50 (2.0)
Seam Peel Strength <sup>1</sup>	N (lbs)	710 (160)
Flexural Strength	---	15 layers of a 102 mm (4.0 in) perforated material shall be tested for flexural strength (simply supported beam) per ASTM D-790 modified. Minimum value Flexural Stiffness (EI) of 40,000 (lb-in <sup>2</sup> ), cross-head speed 0.5, in/min, EI = PL <sup>3</sup> /48fc.
Section Weight	Kg (lbs)	7.48 (16.5)
Sections Per Pallet	---	100
Seam Hang Strength	---	A 102 mm (4.0 in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102 mm (4.0 in) weld joint supporting a load of 72.5 kg (160 lbs) for 7 days minimum while undergoing temperature change from 23° C (74° F) to 54° C (130° F) on a 1 hour cycle.

<sup>1</sup> Seam Peel Strength per U.S. Army Corps of Engineers Technical Report GL-86-19, Appendix A <sup>2</sup> Licensed from the United States Army under Patent No. 4,797,026.