



GEOCELL GROUND GRID

TECHNICAL SPECIFICATIONS

PRODUCT DATA SHEET

PROPERTY	TEST METHOD	TEST RESULT
Polymer Density	ASTM D 1505	58.4 - 60.2 lb/ft ³ (0.935 - 0.965g/cm ³)
Environmental Stress Crack Resistance	ASTM D 5397	>400 hours
Environmental Stress Crack Resistance	ASTM D 1693	6000 hours
Carbon Black Content	ASTM D 1603	1.5% by weight (minimum)
Nominal Sheet Thickness* Before Texturing	ASTM D 5199	50mil (1.27mm) -5%, +10%
Nominal Sheet Thickness* After Texturing	ASTM D 5199	60mil (1.52mm) -5%, +10%
Nominal-Expanded Cell Size (wid x len)		12.6 x 11.3in (320 x 287mm)
Nominal-Expanded Cell Area		71.3in ² x (460cm ²)
Nominal-Expanded Section (wid x len)		8.4 x 27.4ft (2.56 x 8.35m)
Nominal-Expanded Section Area		230ft ² (21.4m ²)
Minimum-Expanded Section (wid x len)		9.2 x 24.8ft (2.8 x 7.6m)
Maximum-Expanded Section (wid x len)		7.6 x 30ft (2.3 x 9.1m)

*The nominal sheet thickness is an average thickness of the sheet, taken from 10 readings.

The polyethelene strip is textured with rhomboidal indentations. The rhomboidal indentations have a surface density of 140 to 200 per in² or 22 to 31 per cm².

CELL DEPTH	SEEM PEEL STRENGTH	% CELL WALL OPEN AREA	SEAM HANG STRENGTH
2in	160lbf (710N)	11 +/- 1%	A 4in weld joint supporting a load of 160 lbs for 30 days min or 4in weld joint supporting a load of 160lbs for 7 days min while undergoing temperature change from 74F to 130F on a 1 hour cycle.
3in	240lbf (1060N)	16 +/- 1%	
4in	320lbf (1420N)	11 +/- 1%	
6in	480lbf (2130N)	16 +/- 1%	
8in	640lbf (2840N)	11 +/- 1%	

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