



SSP GEOCELL CONFINEMENT SYSTEM MATERIAL SPECIFICATION

SSP GEOCELL Standard Section Properties – GC20V Cell

NOTE: All measurements are subject to manufacturing tolerances unless otherwise stated.

GC20V SSP GEOCELL Section

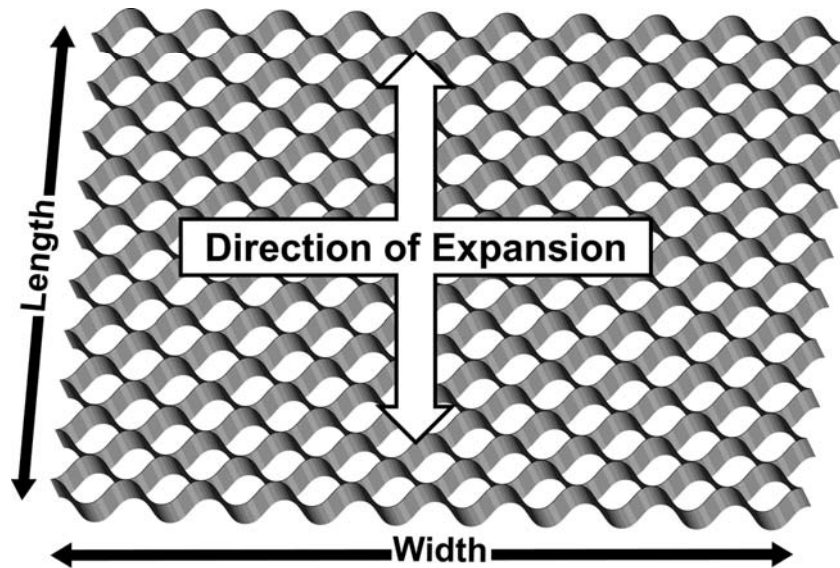


Figure 1 GC20V SSP GEOCELL Section

SSP GEOCELL GC20V section length and width shall be as indicated in Figure 1. Sections shall have a nomenclature of “GC20VDWWLL” where “GC20V” indicates the cell size, “D” indicates the cell depth in inches, “WW” indicates the number of cells wide, and “LL” indicates the number of cells long. Sections shall have expanded dimensions per Table 1. An example of the GC20V SSP GEOCELL section nomenclature is GC20V81029 where the section cell depth is 8 in or 200 mm and the section is 10 cells wide and 29 cells in length.

Table 1 Available GC20V SSP GEOCELL Section Dimensions - 10 Cells Wide

Cells Long	Minimum Expansion		Maximum Expansion		Nominal Area
	Length	Width	Length	Width	
29	19.4 ft	9.2 ft	23.3 ft	7.7 ft	180 ft ²
29	(5.9 m)	(2.8 m)	(7.1 m)	(2.3 m)	16.7 m ²

Material Properties	Test Method	Unit	Test Value
Polymer Density	ASTM D 1505	g/cm ³ (lb/ft ³)	0.940 (58.7) – 0.960 (59.9)
Environmental Stress Crack Resistance	ASTM D 1693	hrs	4000 minimum
Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
Nominal Sheet Thickness	ASTM D 5199	mm (mils)	1.25 (50)±10%

SSPCo provides this information only as an accommodation to our customers. No warranty or other representation regarding the suitability of the application procedure is made due to the fact that each installation has specific requirements that may not have been considered in this generalized procedure. SSPCo makes no warranties or representations regarding the suitability of its SSP Geocell for specific uses or applications. Our liability is limited to furnishing, without charge, a replacement for any SSP Geocell section that is proven defective under normal use and service.



Physical Properties	Unit	Typical Value			
Nominal-Expanded Cell Size (width x length)	mm (in)	259 (10.2) x 224 (8.8)			
Nominal-Expanded Cell Area	cm ² (in ²)	289 (44.8)			
Nominal-Expanded Section (width x length)	m (ft)	2.56 (8.4) x 6.52 (21.4)			
Nominal-Expanded Section Area (width x length)	M ² (ft ²)	16.7 (180)			
Cell Depth	mm (in)	75 (3.0)	100 (4.0)	150 (6.0)	200 (8.0)
Seam Peel Strength ¹	N (lbs)	1065 (240)	1420 (320)	2130 (480)	2840 (640)
Section Weight	Kg(lbs)	19.5(43)	25.9(57)	39(86)	51.7(114)
Sections per Pallet	--	60	50	30	25
Seam Hang Strength	--	A 102mm (4.0in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102mm (4.0in) 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.			

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