

StrataWeb® 356 Geocell Fascia Product Data

STRATAWEB® is a high performance three dimensional cellular confinement system. Filled with granular material, StrataWeb provides superior confinement and reinforcement for load support, erosion control, and slope reinforcement applications. StrataWeb is manufactured from extruded strips of HDPE that are precision welded to form multiple cell heights and sizes. If perforations are required then 11% ± 2%, and up to 16% ± 3%, of the cell wall is removed.

MATERIAL PROPERTIES	TEST METHOD	UNIT	TEST VALUE
Polymer Density	ASTM D 1505	g/cm ³ (lb/ft ³)	0.935-0.965 (58.4-60.2)
Environmental Stress Crack Resistance	ASTM D 5397	hours	>5000
Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
Nominal Sheet Thickness after texturing	ASTM D 5199	mm (mil)	1.52 (60) -5%, +10%

Polyethylene strip shall be textured with a multitude of rhomboidal (diamond shape) indentations. The rhomboidal indentations shall have a surface density of 22 to 31 per cm² (140 to 200 per in²).

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)	0.68 (2.22) x 2.56 (8.4)
Nominal-Expanded Section Area (width x length)	m ² (ft ²)	1.7 (18.6)
Cell Depth	mm (in)	200 (8)
Seam Peel Strength ¹	N (lbs)	2840 (640)
Seam Hang Strength	--	A 102mm (4in) weld joint supporting a load of 72.5 kg (160 lbs) for 30 days minimum or a 102mm (4in) 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.

¹ Seam Peel Strength per U.S. Army Corps of Engineers Technical Report GL-86-19, Appendix A



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Specification is subject to change without notice. The sizing, use and selection of the products should be completed by a licensed design professional.

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