



StrataWeb™ Material Specification

Material	Properties		Test Method	Unit	Test Value		
	Minimum Polymer Density		ASTM D 1505	g/cm3 (lb/ft3)	0.940 (58.7)		
	ESCR		ASTM D 1693	hrs	4000		
	Carbon Black Content		ASTM D 1603	% by weight	1.5% minimum		
	Nominal Sheet Thickness before texturing		ASTM D 5199	mm (mils)	1.27 (50) ± 5%		
	Nominal Sheet Thickness after texturing		ASTM D 5199	mm (mils)	1.52 (60) ± 5%		
	Material		Virgin, non-thermally degraded high-density-polyethylene				
	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 cm ² (140 to 200 per in ²).						
Cell / Section Nominal Dimensions	Type	Cell Dimensions at recommended openings ± 3%			Section Dimensions at recommended openings ±3%		
		Nominal-Expanded Cell Area cm ² (in ²)	Nominal - Expanded Cell Size mm (in)	Cell Depth mm (in)	Nominal-Expanded Section m (ft)	Nominal-Expanded Area m ² (ft ²)	
	StrataWeb 20	289 (44.8)	259 X 224 (10.2 x 8.8)	75, 100, 150, 200 (3, 4, 6, 8)	2.56 x 6.52 (8.4 x 21.4)	16.7 (180)	
	StrataWeb 30	460 (71.3)	320 X 287 (12.6 x 11.3)		2.56 x 8.35 (8.4 x 27.4)	21.4 (230)	
StrataWeb 40	1206 (187)	508 X 475 (20 x 18.7)	2.56 x 13.72 (8.4 x 45)		35.14 (378)		
Cell Depth Properties	StrataWeb 20, 30, 40	Cell Depth		Seam Peel Strength ¹ N (lbs)	Section Weight Kg (lbs)	Sections per Pallet	Weight per Pallet Kg (lbs)
		75 mm (3 in)		1065 (240)	19.5 (43)	60	1170 (2580)
		100 mm (4 in)		1420 (320)	25.9 (57)	50	1295 (2850)
		150 mm (6 in)		2130 (480)	39 (86)	30	1170 (2580)
	200 mm (8 in)		2840 (640)	51.7 (114)	25	1293 (2850)	
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.					

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

² Licensed from the United States Army under Patent No. 4,797,026.

StrataWeb is available in solid or perforated wall.
Section length can be increased or decreased by adding or subtracting cells at no additional charge.

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