

Standard sections are manufactured from 58 strips of HDPE, resulting in a section length of 29 cells. Cell walls are textured and if perforations are required 13% ± 3% of the cell wall is removed. Polyethylene strip shall be textured and with a multitude of rhomboidal (diamond shape) indentations. The rhomboidal indentations shall have a surface density of 22 to 31 per cm<sup>2</sup> (140 to 200 per in<sup>2</sup>).

**Color:** Standard strips are black. ( Tan, Green, other colors with no heavy metal content available upon request)  
**Stabilizer:** Hindered amine light stabilizer (HALS) 2.0% by weight of carrier

**MATERIAL PROPERTIES**

Description	Test Method	Units	Test Value
> Polymer Density	ASTM D 1505	lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	58.4-60.2 (0.935-0.965)
> Environmental Stress Crack Resistance	ASTM D 5397	hours	5,000
> Carbon Black Content	ASTM D 1603	% by weight	1.5% minimum
> Nominal Sheet Thickness <sup>(1)</sup> before texturing	ASTM D 5199	mil (mm)	50 (1.27) -5%, +10%
> Nominal Sheet Thickness <sup>(1)</sup> after texturing	ASTM D 5199	mil (mm)	60 (1.52) -5%, +10%

**PHYSICAL PROPERTIES**

Description	Distance b/n Welds	Cell Length (+/- 10%)	Cell Width (+/- 10%)	Cell per yd <sup>2</sup> (m <sup>2</sup> )	Cell Area (+/-1%)	Panel Width	Panel Length	Expanded Panel Area
> <b>GC20</b>	14" (350 mm)	8.8" (224 mm)	10.2" (259 mm)	28.9 (34.6)	44.8 in <sup>2</sup> (289 cm <sup>2</sup> )	17.85' (5.44 m)	21.4' (6.52m)	382ft <sup>2</sup> (35.5m <sup>2</sup> )
> <b>GC30</b>	17.5" (445 mm)	11.3" (287)	12.6" (320 mm)	18.2 (21.7)	71.3in <sup>2</sup> (460 cm <sup>2</sup> )	17.85' (5.44 m)	27.4' (8.35m)	489 ft <sup>2</sup> (45.4m <sup>2</sup> )
> <b>GC40</b>	28" (711 mm)	18.7" (475 mm)	20" (508 mm)	6.9 (8.3)	187 in <sup>2</sup> (1,206 cm <sup>2</sup> )	18.5' (5.64m)	45' (13.72 m)	833 ft <sup>2</sup> (77.4m <sup>2</sup> )

> Cell Depth	in (mm)	2 (50)	3 (75)	4 (100)	6 (150)	8 (200)
> Seam Peel Strength	lbf (N)	160 (710)	240 (1065)	320 (1420)	480 (2130)	640 (2840)
> Seam Hang Strength	A 4 in (102mm) weld joint supporting a load of 160 lbs (72.5 kg) for 30 days minimum or a 4 in (102mm) weld joint supporting a load of 160 lbs (72.5 kg) for 7 days minimum while undergoing temperature change from 74°F (23°C) to 130°F (54°C) on a 1 hour cycle.					



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