

GC20T standard sections are manufactured from 58 strips of HDPE, resulting in a section length of 29 cells and 21 cells wide. Each strip is the appropriate width and 300 inches (7.62m) in length. Weld spacing is 14.0 in ± 0.12 in. (355 ± 3mm). Cell density is 34.6 cells per meter squared. 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 cm² (140 to 200 per in²).

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 ³ (g/cm ³)	58.4-60.2 (0.935-0.965)
> Environmental Stress Crack Resistance	ASTM D 5397	hours	>400
> Carbon Black Content	ASTM D 1693	hours	5,000
> Nominal Sheet Thickness ⁽¹⁾ before texturing	ASTM D 1603	% by weight	1.5% minimum
> Nominal Sheet Thickness ⁽¹⁾ after texturing	ASTM D 5199	mil (mm)	50 (1.27) -5%, +10%
	ASTM D 5199	mil (mm)	(1.52) -5%, +10%

PHYSICAL PROPERTIES

Description	Unit	Test Value
> Nominal - Expanded Cell Size (length x width)	in (mm)	8.8 (224) x 10.2 (259)
> Nominal - Expanded Cell Area	in ² (cm ²)	44.8 (289)
> Nominal - Expanded Panel Size(width x length)	ft (m)	17.85 (5.44) x 21.4
> Nominal - Expanded Panel Area	ft ² (m ²)	(6.52) 382 (35.5)

> 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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