



BaseLok GC20T

Baselok GeoCell

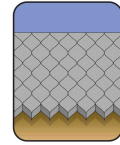
EROSION CONTROL



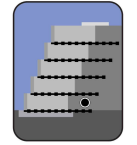
STABILIZATION



CELLULAR CONFINEMENT



RETAINING WALL



GC20T sections are manufactured from (58) 300" long HDPE strips. Section is 29 cells L X 21 cells W. Weld spacing is 14.0 in ± 0.12 in. Cell density is 34.6 cells/sm. Cell walls are textured with rhomboidal indentations having a surface density of 140 to 200/sq in. If perforated, 13% ± 3% of cell wall is removed.

Color: Standard strips are black.

Stabilizer: Hindered amine light stabilizer (HALS) 2.0% by weight of carrier.

Cell Depths: 2" (50mm), 3" (75mm), 4" (100mm), 6" (150mm), 8" (200mm)



PROPERTY	TEST METHOD	ENGLISH	METRIC
Environmental Stress Crack Resistance	<u>ASTM D-5397</u>	400 hours	400 hours
Carbon Black Content	<u>ASTM D-1603</u>	1.5 % by weight - minimum	1.5 % by weight - minimum
Expanded Cell Area <small>Nominal</small>	Measured	44.8 in	289 cm
Expanded Cell Size Length x Width <small>Nominal</small>	Measured	8.8 x 10.2 inches	224 x 259 mm
Expanded Panel Area <small>Nominal</small>	Measured	382 f ²	35.5 m ²
Expanded Panel Size (width x length) <small>Nominal</small>	Measured	17.85 x 21.4 ft	5.44 x 6.52 m
Polymer Density <small>Minimum</small>	<u>ASTM D-1505</u>	58.4 x 60.2 lb/ft ³	0.935 x 0.965 g/cm ³
Sheet Thickness (before/after texturing) <small>Nominal</small>	<u>ASTM D-5199</u>	50 / 60 mils (-5% +10%)	1.27 / 1.52 mm (-5% +10%)

> Cell Depth	in (mm)	2 (50)	3 (75)	4 (100)	6 (150)	8 (200)
> Seam Peel Strength ⁽¹⁾	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.					

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

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