



GeoGlobe® GeoCell

Product Specifications GGEUG

Product Physical Properties	Property	Description				Test Method
	Material Composition	Blends of Polyethylene with average density of 0.9425g/cm ³ , up to 0.965g/cm ³				ASTM D 1505
	Surface Treatment	Cell walls are textured with multitude of rhomboidal indentations in depth of 0.2 - 0.5mm				N/A
	Perforation	GeoCells are non-perforated or perforated with Ø20mm or Ø10mm perforation, according to their application				N/A
	Color	Black (Other colors are optional upon request)				N/A
	Stabilizer	Carbon Black content 1% - 2% by weight				N/A
		Hindered amine light stabilizer (HALS) 1-2% by weight				N/A
	ESCR	Passed				ASTM D 1693
Cell and Section Properties	Cell Details*	Cell Height (+/-3mm)	Nominal Cell Size (cm)	Cell Area (cm ²)	Number Of Cells In Width Of Section	Dimensions & Covered Area Of Regular Section (m ²)
	GeoGlobe® 6	50**, 65, 75, 100, 120, 125, 150, 200mm (Other heights are optional upon request)	63 x 52.9	1666	4	2.62m x 20.10m = 52.66
	GeoGlobe® 8		55.6 x 46.7	1290	5	2.91m x 17.70m = 51.50
	GeoGlobe® 8.5		52.7 x 44.4	1170	5	2.78m x 16.91m = 47.00
	GeoGlobe® 10		48.8 x 41.0	1000	5	2.57m x 15.57m = 40.00
	GeoGlobe® 15		40.7 x 34.2	696	7	2.97m x 13.00m = 38.60
	GeoGlobe® 20.01		35.2 x 29.6	521	9	3.29m x 11.25m = 37.00
	GeoGlobe® 20		34.2 x 28.7	491	9	3.18m x 10.90m = 34.60
	GeoGlobe® 22		33.0 x 27.7	457	9	3.09m x 10.52m = 32.50
	GeoGlobe® 32		27.4 x 23.0	315.1	10	2.86m x 8.75m = 25.00
	GeoGlobe® 34		26.4 x 22.2	293.1	10	2.78m x 8.46m = 23.50
	GeoGlobe® 40		24.4 x 20.5	250.1	10	2.57m x 7.79m = 20.00

*Other products with special sizes are possible upon request.

**GeoCells with 50 mm Cell Height are not perforated.

All details are subject to tolerance of +/-10%.

All dimensions and details are nominal and subject to manufacturing tolerances. GeoGlobe® Europe Ltd reserves the right to revise this document and to make changes in the content without notice. The stipulate specifications are the data which is published and updated from time to time.

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Performance Specifications GGEUG

Property	Value			Test Method	
	Shear Weld Strength	Peel Weld Strength	Split Weld Strength		
Welding Strength Properties	Strength Of The Weld	Method A	Method B	EN ISO 13426-1 Part 1	
		15 kN/m	8.4 kN/m		16 kN/m
		Non-perforated Strip			Perforated Strip
15.9 kN/m		13.3 kN/m			
Tensile Strength Properties	Strip Tensile Strength MD	13.3 kN/m		N/A	
		Connected Strips by GeoGlobe® Screws *			
Strip Properties	Strip Thickness	Prior to Texture	After Texture	ASTM D 5199	
		1.10 mm	1.30 mm		

* Two strips with a width of 100 mm are connected to each other with two pairs of connectors (screws and nuts)

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