

“**GEO SOURCE GSGC** is a lightweight yet strong, 3D honeycomb-like cellular confinement system, which offers unique, eco-friendly solutions for various civil engineering challenges. Engineered for Diversity, GSGC Geocell can be utilized in various sectors such as roads, railways, ports and others.

Plot No – 306,307,314& 315 Dholka GIDC, Industrial Estate, Near Kheda Highway, Dholka 382225, Gujarat, India
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GEO SOURCE GS GC conforms to the Values listed below:

Mechanical Properties

Polymer Density (ASTM D 1505)	g/cm³	0.935-0.965
Environmental stress crack resistance (ASTM D 1693)	Hours	>5000
Carbon black content (ASTM D 1603)	%	min 2.0
Nominal sheet thickness (Post texturing) (ASTM D 5199)	mm	1.20mm - 1.52mm
Material	Virgin polymers with additives	
Texture	Polyethylene strip consist of multiple rhomboidal indentations, having a surface density of 18 to 33 per cm².	
Perforations	Polyethylene strip is perforated with horizontal rows of maximum 10 mm diameter holes. Cell perforations area is less than 12% of the cell surface area	

Cell/Section Properties

Property		Unit	GSGC330	GSGC356	GSGC445	GSGC660	GSGC712
Welding Spacing (± 3%)		mm	330	356	445	660	712
Expanded Cell Dimensions (± 3%)	Width	mm	244	259	320	488	508
	Length	mm	210	224	287	436	475
Expected Section Area (± 3%)	Width	m	2.44	2.59	2.56	2.44	2.56
	Length	m	6.10	6.50	8.35	12.63	13.72
Expanded section area (± 3%)		m²	14.9	16.8	21.4	30.8	35.1
Cell Depth (in mm) – 75,100,125,150,200,250,300							

* We can do OEM packaging and private labeling for bulk orders

- Above values are obtain in our laboratory and are Typical Values.
- There may be variation in above values due to various factors when tested at other laboratory.
- The above values may also vary if the fabric is converted in to any value added product or used in combination with otherproducts.
- The values may also change due to transportation damages & improper storage and handling at site.
- Client shall ensure that Storage is strictly done as per ASTM standard.
- The values are not intended as warranty / guarantee and Geo Source assumes no liability in connection with this information.
- Customer should accept color in white/all grades in white

