

Wholesale High Quality&Factory Price Plastic Geocells From China Plastic Geocells Manufacturers

Taidong is a professional plastic geocells manufacturers, supply high quality&factory price plastic geocells, welcome to consult wholesale plastic geocells for sale.

Honeycomb plastic geocells is a new type of geosynthetic material. It is a three-dimensional mesh cell made of polymer sheets welded by ultrasonic wave. When it is used, it unfolds in a network shape and fills in loose materials such as sand, gravel, and soil to form a composite material of an integral mechanism. It can be honeycombed or printed on the sheet according to customer's requirements to enhance its lateral permeability and increase friction and bonding with the base material.

Features of Plastic Geocells

1. It is flexible and can be transported and stacked. During construction, it can be stretched into a net and filled with loose materials such as soil, gravel, concrete, etc. to form a structure with strong lateral restriction and large stiffness.
2. Light material, wear resistance, chemical stability, light and oxygen aging resistance, acid and alkali resistance, suitable for different soil and desert and other soil conditions.
3. Higher lateral restraint and anti-skid, anti-deformation and effective enhancement of subgrade bearing capacity and decentralized load.
4. Geotechnical dimensions such as height of high quality plastic geocells produced by the China plastic geocells manufacturers and welding distance can meet different engineering needs.
5. Flexibility, small transport volume, convenient connection, and fast construction speed.

In other words, once the load is applied to the subgrade, a crisscrossing active region will be formed under the load, which will be extruded through the transition region, thus causing the passive region to rise. In other words, the bearing capacity of the foundation is determined by the shear force along the slip line and the force in the three regions of active, transitional and passive movement. Not only in the sand base can be very obvious to experience the real process of the above principle, but in the soft foundation highway will also find this kind of template, but the rate of its formation is slower than the change in the sand. Even better subgrade materials cannot avoid lateral movement. General highway subgrade is several meters above the ground, water suction and slurry is not very easy, but long-term settlement still exists. Among the reasons, rainwater infiltration, material loss, and base subsidence are some of the reasons. Under the influence of wheel load and long-term rolling and vibration force, the lateral displacement of materials to both sides of the roadbed section is another very important reason undeniably. Take the highway of all levels of our province as an example, there is an "S" groove belt that can be clearly felt on the main drive lane of this road. Some expressways are no exception, the car driving on the road lane turbulence is obviously stronger than the feeling of overtaking on the belt, especially in the bridge junction section (commonly known as "bridgehead jump car"). The gully subgrade settlement is a typical transverse slip of subgrade material.



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Parameters of Plastic Geocells

Model	Width	Length	Length of lattice expansion	The width of cell expansion	Cell height	Lattice room solderjoint distance	Solderjoint number	Cell single cell area (m)	Cell sheet thickness	Each piece of The number of tablets	Cell mass per unit area (g/m)
TGGS -200-400	62±3	5600±20	4100±50	6300±50	200	400	14	0.07	1±0.05	50	2400±50
TGGS -150-400	62±3	5600±20	4100±50	6300±50	150	400	14	0.07	1±0.05	50	1800±50
TGGS -100-400	62±3	5600±20	4100±50	6300±50	100	400	14	0.07	1±0.05	50	1200±50
TGGS -75-400	62±3	5600±20	4100±50	6300±50	75	400	14	0.07	1±0.05	50	900±50

Application of Plastic Geocells

1. Used to stabilize railway roadbed;
2. It is used to stabilize the soft foundation of the highway;
3. Preventive and retaining walls used to withstand loading gravity;
4. For shallow river regulation;
5. It is used to support pipelines and sewers;
6. Mixed retaining wall for preventing landslide and loading gravity;
7. Used for independent walls, wharves, flood dikes, etc;
8. When encountering soft foundation on the expressway, the use of high quality plastic geocells produced by the China plastic geocells manufacturers can greatly reduce the construction labor intensity, reduce the thickness of subgrade, speed construction, good

performance, and greatly reduce the cost of construction.

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