

Wholesale High Quality&Low Price HDPE Geocell From China HDPE Geocell Manufacturers

Taidong is a professional China HDPE geocell manufacturers, supply high quality&low price HDPE geocell, welcome to consult wholesale HDPE geocell for sale.

Honeycomb HDPE geocell produced by the China HDPE geocell manufacturers is a new construction material with more advantages, strong practicability, suitable price, and good application effect. It is a three-dimensional mesh cell structure formed by high-strength welding of HDPE sheets, which is usually welded by the ultrasonic needle. It can be flexible, foldable in transportation, stretched into mesh during construction, and filled with loose materials such as soil, gravel, concrete, etc. to form a structure with strong lateral restraint and large stiffness. How to apply this new and effective engineering material and construction technology to the daily design work is particularly important.

Features of HDPE Geocell

The honeycomb HDPE geocell slope protection is spread out flat by honeycomb HDPE geocell, which fills the high quality HDPE geocell with vegetation soil and sows grass seeds to form the newest ecological slope protection with 99% greening. The slope protection form has the advantages of low cost, short construction period, convenient construction and environmental protection. Honeycomb low price HDPE geocell slope protection can form effective slope protection and effective restraint structure for topsoil, vegetation, and slope soil and rock mass materials. The nest filled with concrete can form flexible concrete pads with built-in expansion joints. The nest slope and shoreline protection system can isolate, reinforce and restrain the soil layer and filler above the slope surface, thus controlling the downward movement and slip off the slope caused by hydraulic and gravity.



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Parameters of HDPE Geocell

Model	Width	Length	Length of lattice expansion	The width of cell expansion	Cell height	Lattice room solder joint distance	Solder joint 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 HDPE Geocell

1. Treatment of semi-filled and semi-roadbed

When building embankments on slopes with a natural gradient of 1:5, the base of embankment should dig steps. When the width of steps should not be less than 1M, the joints of new and old embankment filling slopes should be excavated when building or rebuilding roads by stages. The width of high-grade highway steps is generally 2M. Geotechnical HDPE geocell for sale should be laid on the horizontal surface of each step, and the size limit of the elevation of the high quality HDPE geocell itself should be increased. The reinforcement effect can better solve the problem of uneven subsidence.

2. Roadbed in Sandstorm Area

The roadbed in the sandstorm area should be mainly low embankment, and the filling height is not less than 0.3M. Because of the special requirements of the low roadbed and heavy load-bearing in Sandstorm area, the use of low price HDPE geocell can play a side-limiting role in the loose filling and ensure that the roadbed has high stiffness and strength in a limited height to withstand the load stress of large vehicles.

3. Reinforcement of abutment backfill

Geotechnical HDPE geocell produced by the China HDPE geocell manufacturers can better achieve the purpose of reinforcing abutment back. It can produce enough friction between HDPE geocell for sale and filler, effectively reduce the uneven settlement between subgrade and structure, and ultimately effectively alleviate the early impact damage of "abutment jumping" disease on the bridge deck.

4. Roadbed in Permafrost Area

In permafrost regions, the filling roadbed should reach the minimum filling height to prevent frost boiling or lowering the upper limit of the frozen layer, resulting in an excessive settlement of the embankment. The unique vertical reinforcement effect of low

price HDPE geocell and the effective implementation of the overall lateral limit can ensure the minimum filling height in some special areas to the greatest extent, and make the filling have high quality strength and stiffness.

5. Treatment of collapsible loess roadbed

When Expressway and first-class highway pass collapsible loess and loess section with better compressibility, or when the allowable bearing capacity of high embankment is lower than the pressure of vehicle's cooperative load and embankment's dead weight, the subgrade should also be treated according to the bearing capacity requirement, then the superiority of HDPE geocell will undoubtedly be revealed.

6. Saline soil and expansive soil

Highway, first-class highway, shoulder, and slope constructed with saline soil and expansive soil all adopt reinforcement measures. The reinforcement effect of the elevation of the cell is the best of all reinforcement materials, and it has excellent corrosion resistance and can fully meet the requirements of constructing a highway in saline soil and expansive soil.

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