

## Wholesale High Quality&Factory Price Uniaxial Plastic Geogrid From China Uniaxial Plastic Geogrid Manufacturers

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

Uniaxial plastic geogrid is a kind of polymer as the main raw material, add certain UV protection, anti-aging agent, after uniaxial tensile scattered the original distribution of chain form molecular reorientation arranged in linear state, the extrusion pressure into a sheet of rules of mesh again, then the longitudinal tensile and high strength geotextile materials. In this process, the polymer is oriented linearly and forms a long elliptic network with uniform distribution and high joint strength. This structure has quite high tensile strength and tensile modulus, tensile strength up to 100-200mpa, close to the level of low carbon steel, is much better than the traditional or existing reinforced materials, especially the company's products more than the international level of high early (elongation in 2% - 5%) tensile strength and tensile modulus. It provides the soil with an ideal chain system of force bearing and diffusion. This product has a high tensile strength (>150Mpa) and is suitable for all kinds of soil. It is a widely used reinforcing material. Its main features are high tensile strength, good creep performance, convenient construction, low price.

High quality uniaxial plastic geogrid is made of high polymer (PP-- polypropylene Uniaxial plastic geogrid or HDPE—HDPE uniaxial plastic geogrid factory price produced by the China uniaxial plastic geogrid manufacturers) which are extruded and pressed into thin plates and then punched into regular hole networks, and then stretched lengthwise. In this process, the polymer is oriented linearly and forms a long elliptic network with uniform distribution and high joint strength.

### **Features of Uniaxial Plastic Geogrid**

Uniaxial plastic geogrid is specially designed for soil reinforcement. It is manufactured with High Density Polyethylene resins or polypropylene, from the process of extruding and longitudinal stretching. It has high tensile strength, excellent interlock capacity, and low creep deformation. High quality uniaxial plastic geogrid has High tensile strength, good creep performance, convenient construction, low price.

1. The polymer forms a directional linear state and forms a long elliptic network with uniform distribution and high joint strength. The structure has high tensile strength and rigidity, providing the soil with an ideal linkage system of force bearing and diffusion.
2. The prominent advantage of uniaxial plastic geogrid factory price produced by the China uniaxial plastic geogrid manufacturers is that they have little tendency of deformation (creep) under long-term and continuous loading, and their creep resistance strength is much better than that of other geogrid, which plays an important role in improving the service life of the project.
3. The interlocking and interlocking between the grid mesh and the soil constitutes an efficient stress transfer mechanism, which enables the local load to quickly and effectively spread to a large area of soil, so as to reduce the local failure stress and improve the

service life of the project.

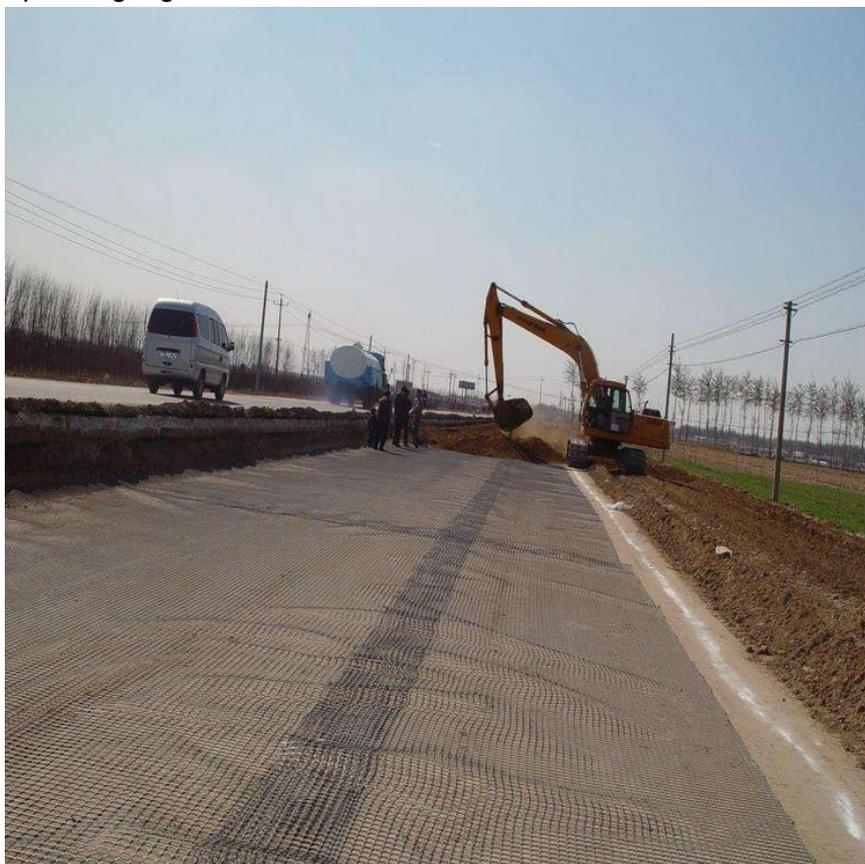
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### Parameters of Uniaxial Plastic Geogrid

Properties	GG60PP	GG80PP	GG110PP	GG150PP	GG260PP	GG300PP
Tensile Strength (kN/m)	60	80	110	150	260	300
Elongation Ratio	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Strength at 2% Elongation (≥kN/m)	17	26	32	45	94	105
Strength at 5% Elongation (≥kN/m)	35	48	64	90	185	195
Roll Length (m)	100	100	50	50	50	50
Roll Width (m)	1-3	1-3	1-3	1-3	1-3	1-3

### Application of Uniaxial Plastic Geogrid

1. Uniaxial plastic geogrid for sale used to reinforce weak foundations.
2. Uniaxial plastic geogrid is used for reinforcing asphalt or cement pavement.
3. Uniaxial plastic geogrid is used to reinforce embankment slope and retaining wall.
4. Uniaxial plastic geogrid is used to reinforce river and sea embankments.
5. Uniaxial plastic geogrid for sale is used to treat landfills.



### **Installation of Uniaxial Plastic Geogrid**

A. When used in subgrade pavement, excavation bed, set up the sand cushion (elevation difference is not more than 10 cm), rolling into a platform, laid grille, longitudinal axial should be consistent with the main stress direction and longitudinal lap 15 -- 20 cm, lateral 10 cm, build it with plastic belt binding, and on the laying of the grille, 1.5 2 m with U every nail fixed on the ground, laying geogrid should timely backfill material, laying of geogrid layers depending on the technical requirements.

B. When used for reinforcing soil retaining wall, the construction shall be issued as follows:

1. Set up the foundation and carry out the construction according to the designed wall system. When the precast reinforced concrete panel is selected, it is generally supported on the precast concrete foundation with a thickness of 12-15cm. Its width shall not be greater than 30cm, its thickness shall not be less than 20cm, and its burial depth shall not be less than 60cm to prevent the influence of foundation frost heave.
2. Level off the wall foundation, dig and level up according to the design requirements. Soft soil to be compacted or replaced, compacted to the required density, should be slightly beyond the range of the wall;
3. Tendon laid, the direction of the main strength of the tendon should be perpendicular to the wall, fixed with pins;
4. For wall filling, the mechanical filling should be used. The distance between wheels and steel bars should be at least 15cm.
5. When the wall construction, the wall should be covered with geotextile, to prevent soil leakage.

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