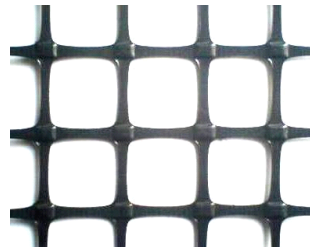


## Geotec™ Biaxial Geogrid-PP



### [Brief introduction]

**Geotec™** Biaxial geogrids are also made of macromolecule polymer by the process of being stretched out, formed into lamella, punched regularly and then longitudinal and transverse elongated, which have much higher longitudinal and transverse tensile strength, especially in its prophase. These structure can provide soil a perfect and efficient standing and diffusing chain system a chain moduli, which be used broadly to enable the permanent bearing capacity of roadbed.

### [Applications]

**Geotec™** Biaxial geogrids can be used to enhancement of permanent bearable toft including roads and railways embankment, slopes, tunnel, airfields, parks, docks and ground which cargo lays on and their main usage are as follows:

1. Enhance the bearing capacity of road foundation and extend the duration of roads.
2. Prevent road surface from collapse, crack and being dirty.
3. Be convenient for construction, timesaving and cut down the cost of maintenance.
4. Prevent tunnel from crack occurring.
5. Further solidity slopes to proof water and soil from losses.
6. Reduce the surface thickness of the ground.
7. Consolidate the net for growing grass on the slopes so as to stabilization surrounding virescence.
8. Be used for artificial top net of mines instead of metal ones. It is of fire-retardant and anti-statics.

### [Specifications And Characteristics]

Item	Unit	TGSG15-15		TGSG20-20		TGSG30-30		TGSG40-40	
		MD	CD	MD	CD	MD	CD	MD	CD
True initial Modulus in Use	KN/m	15	15	20	20	30	30	40	40
True Tensile Strength @2% Strain	KN/m	5	7	8	10	11	13	13	15
True Tensile Strength @5% Strain	KN/m	8	10	10	13	15	15	17	20
Junction Efficiency	%	100		100		100		100	
Flexural Stiffness	mg-cm	280,000		780,000		900,000		1,200,000	
Aperture Stability	kg-cm/deg	3.1		4.8		4.3		3.4	
Resistance to Installation Damage	%SC/%SW/%GP	95/93/90		95/93/90		95/93/90		95/93/90	
Resistance to Long Term Degradation	%	100		100		100		100	

<b>Unit Weight</b>	<b>g/m<sup>2</sup></b>	<b>300±30</b>	<b>330±30</b>	<b>400±40</b>	<b>500±50</b>
<b>Rolls Dimensions (Length, Width)</b>	<b>m</b>	<b>50×3.9</b>	<b>50×3.9</b>	<b>50×3.9</b>	<b>50×3.9</b>
<b>Lading Capacity</b>	<b>Rolls/40HC</b>	<b>225</b>	<b>200</b>	<b>120</b>	<b>88</b>



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