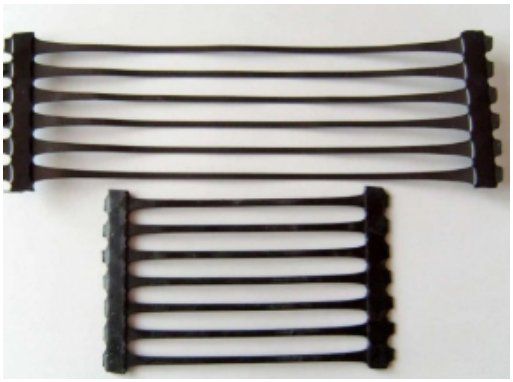
TME Grup Makina İnşaat San. Tic. Ltd. Şti.

CONFORMITY OF PRODUCT

TME GeoTech Uniaxial Geogrid (PP-HDPE)



Purpose of Usage

Uniaxial geogrids are used to reinforce soil and improve the stability and load-bearing capacity of weak ground. They provide high tensile strength in one direction, helping to reduce soil movement and increase structural stability.

Application Locations

They are commonly used in reinforced soil retaining walls, steep slopes, embankments, bridge abutments, highways, railways, and other infrastructure projects requiring soil reinforcement.

PP (Uniaxial geogrids) : *Ultimate Tensile Strength **30kN/m to 300kN/m**, PP geogrids (Uniaxial) range : Flexurally stiff biaxial monolithic and integrally formed Geogrid constructed of PP- Polypropylene or HDPE – polyethylene by a unique punching and drawing process .*

HDPE (Uniaxial geogrids(ux Geogrid)) : *Ultimate Tensile Strength **30kN/m to 300kN/m**, HDPE geogrids (Uniaxial) range : Flexurally stiff biaxial monolithic and integrally formed geogrid constructed of PP- Polypropylene or HDPE – polyethylene by a unique punching and drawing process.*

1. It reinforce old asphalt concrete road surface and asphalt layer, and prevents damage.
2. It is used for rebuilding cement concrete road surface into composite road surface and restraining reflection caused by block contraction.
3. It is used in road expansion and improvment project and crack caused by old and new combination position and uneven sedimentation.
4. It is used in soft soil base reinforcement treatment , is favorable for soft soil water separation and concretion,restrains sedimentation effectivly,distributes stress uniformly and improve overall strength of road base.
5. It is sued for preventing contraction crack caused by new road semi-rigid base layer,and reinforces and prevents road surface crack caused by foundation crack reflection.

Product Features

Uniaxial geogrids are usually made from HDPE or PP through an extrusion and stretching process. They offer high tensile strength in one direction, low elongation, excellent soil interlock, and strong resistance to chemicals, biological degradation, and environmental conditions.

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Values on the tables are avarage values and TME GRUP MAKİNA may make a revise without giving an information.
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