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# TMP Biaxial Geogrid

## Biaxial Geogrid GG2020L

## Biaxial Geogrid GG2525L

## Biaxial Geogrid GG3030L

## Biaxial Geogrid GG4040L

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# TMP GEOSYNTHETICS - Biaxial Geogrid GG2020L

## Introduction

TMP Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilization and reinforcement applications. TMP Biaxial Geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

TMP Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions. It makes soil reinforced with its excellent struture stability and strong mechanical interlock performance.

## Applications

■ Base reinforcement ■ Subgrade reinforcement ■ Slope reinforcement ■ Embankment stabilization

## Specifications

| Index Properties | Test Method | Units | MD Values | TD Values |
|---|---|---|---|---|
| ■ Polymer | - | - | PP | - |
| ■ Minimum Carbon Black | ASTM D 4218 | % | 2 | - |
| ■ Tensile Strength @ 2% Strain | ASTM D 6637 | kN/m (lb/ft) | 7 (480) | 7 (480) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 14 (960) | 14 (960) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 20 (1,370) | 20 (1,370) |
| **Structural Integrity** | | | | |
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| **Dimensions** | | | | |
| ■ Aperture Dimensions | - | mm (in) | 57 (2.2) | 57 (2.2) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 1.2 (0.05) | 0.9 (0.04) |
| ■ Roll Width | - | m (ft) | 3.95 (12.9) | - |
| ■ Roll Length | - | m (ft) | 50 (164) | - |

TMP Laboratory is improving continuously with the purpose of assuring reliable quality. TMP Geosynthetics reserves the right to change the product specifications at any time.

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# TMP GEOSYNTHETICS - Biaxial Geogrid GG2525L

## Introduction

TMP Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilization and reinforcement applications. TMP Biaxial Geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

TMP Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions. It makes soil reinforced with its excellent struture stability and strong mechanical interlock performance.

## Applications

■ Base reinforcement ■ Subgrade reinforcement ■ Slope reinforcement ■ Embankment stabilization

## Specifications

| Index Properties | Test Method | Units | MD Values | TD Values |
|---|---|---|---|---|
| ■ Polymer | – | – | PP | – |
| ■ Minimum Carbon Black | ASTM D 4218 | % | 2 | – |
| ■ Tensile Strength @ 2% Strain | ASTM D 6637 | kN/m (lb/ft) | 9 (620) | 9 (620) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 17 (1,160) | 17 (1,160) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 25 (1,710) | 25 (1,710) |
| **Structural Integrity** | | | | |
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| **Dimensions** | | | | |
| ■ Aperture Dimensions | – | mm (in) | 57 (2.2) | 57 (2.2) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 1.5 (0.06) | 1.1 (0.04) |
| ■ Roll Width | – | m (ft) | 3.95 (12.9) | – |
| ■ Roll Length | – | m (ft) | 50 (164) | – |

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# TMP GEOSYNTHETICS - Biaxial Geogrid GG3030L

## Introduction

TMP Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilization and reinforcement applications. TMP Biaxial Geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

TMP Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions. It makes soil reinforced with its excellent struture stability and strong mechanical interlock performance.

## Applications

■ Base reinforcement ■ Subgrade reinforcement ■ Slope reinforcement ■ Embankment stabilization

## Specifications

| Index Properties | Test Method | Units | MD Values | TD Values |
|---|---|---|---|---|
| ■ Polymer | – | – | PP | – |
| ■ Minimum Carbon Black | ASTM D 4218 | % | 2 | – |
| ■ Tensile Strength @ 2% Strain | ASTM D 6637 | kN/m (lb/ft) | 10.5 (720) | 10.5 (720) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 21 (1,440) | 21 (1,440) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 30 (2,050) | 30 (2,050) |
| **Structural Integrity** | | | | |
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| **Dimensions** | | | | |
| ■ Aperture Dimensions | – | mm (in) | 57 (2.2) | 57 (2.2) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 1.9 (0.07) | 1.3 (0.05) |
| ■ Roll Width | – | m (ft) | 3.95 (12.9) | – |
| ■ Roll Length | – | m (ft) | 50 (164) | – |

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# TMP GEOSYNTHETICS - Biaxial Geogrid GG4040L

## Introduction

TMP Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilization and reinforcement applications. TMP Biaxial Geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

TMP Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions. It makes soil reinforced with its excellent struture stability and strong mechanical interlock performance.

## Applications

■ Base reinforcement ■ Subgrade reinforcement ■ Slope reinforcement ■ Embankment stabilization

## Specifications

| Index Properties | Test Method | Units | MD Values | TD Values |
|---|---|---|---|---|
| ■ Polymer | – | – | PP | – |
| ■ Minimum Carbon Black | ASTM D 4218 | % | 2 | – |
| ■ Tensile Strength @ 2% Strain | ASTM D 6637 | kN/m (lb/ft) | 14 (960) | 14 (960) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 28 (1,920) | 28 (1,920) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 40 (2,740) | 40 (2,740) |
| **Structural Integrity** | | | | |
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| **Dimensions** | | | | |
| ■ Aperture Dimensions | – | mm (in) | 57 (2.2) | 57 (2.2) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 3.0 (0.12) | 2.0 (0.08) |
| ■ Roll Width | – | m (ft) | 3.95 (12.9) | – |
| ■ Roll Length | – | m (ft) | 50 (164) | – |