

TMP GEOSYNTHETICS - Biaxial Geogrid GG1100

Introduction

TMP Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilisation 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 structure 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) | 4.1 (280) | 6.6 (450) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 8.5 (580) | 13.4 (920) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 12.4 (849) | 19.0 (1,300) |
| ■ Strain @ Ultimate Strength | ASTM D 6637 | % | 13 | 13 |

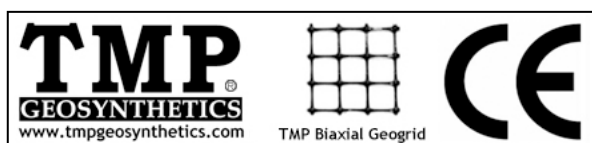
Structural Integrity

| | | | | |
|-----------------------|-------------|---------|---------|----|
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| ■ Flexural Rigidity | ASTM D 7748 | mg-cm | 250,000 | - |
| ■ Aperture Stability | ASTM D 7864 | m-N/deg | 0.32 | - |

Dimensions

| | | | | |
|-------------------------|-------------|---------|----------------------------|------------|
| ■ Aperture Dimensions | - | mm (in) | 26 (1.0) | 34 (1.3) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 1.0 (0.04) | 0.8 (0.03) |
| ■ Roll Width | - | m (ft) | 3.95 (12.9) or 5.95 (19.5) | - |
| ■ Roll Length | - | m (ft) | 75 (246) | - |

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.



TMP GEOSYNTHETICS - Biaxial Geogrid GG1200

Introduction

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Applications

- Base reinforcement
- Subgrade reinforcement
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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) | 6 (410) | 9 (620) |
| ■ Tensile Strength @ 5% Strain | ASTM D 6637 | kN/m (lb/ft) | 11.8 (810) | 19.6 (1,340) |
| ■ Ultimate Tensile Strength | ASTM D 6637 | kN/m (lb/ft) | 19.2 (1,310) | 28.8 (1,970) |
| ■ Strain @ Ultimate Strength | ASTM D 6637 | % | 13 | 13 |

Structural Integrity

| | | | | |
|-----------------------|-------------|---------|---------|----|
| ■ Junction Efficiency | GRI GG2 | % | 93 | 93 |
| ■ Flexural Rigidity | ASTM D 7748 | mg-cm | 750,000 | - |
| ■ Aperture Stability | ASTM D 7864 | m-N/deg | 0.65 | - |

Dimensions

| | | | | |
|-------------------------|-------------|---------|----------------------------|------------|
| ■ Aperture Dimensions | - | mm (in) | 26 (1.0) | 34 (1.3) |
| ■ Minimum Rib Thickness | ASTM D 1777 | mm (in) | 1.6 (0.06) | 1.1 (0.04) |
| ■ Roll Width | - | m (ft) | 3.95 (12.9) or 5.95 (19.5) | - |
| ■ Roll Length | - | m (ft) | 50 (164) | - |

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