

## TMP GEOSYNTHETICS - Composite Geogrid CG20-200G

### Introduction

TMP Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The TMP Composite Geogrids are manufactured by bonding a TMP Biaxial Geogrid to a nonwoven polyester geotextile.

### Specifications

| Geogrid 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) |
| ■ Strain @ Ultimate Strength          | ASTM D 6637 | %                | 13          | 13         |
| <b>Geotextile Physical Properties</b> |             |                  |             |            |
| ■ Polymer                             | -           | -                | PET         | -          |
| ■ Mass per unit area                  | ASTM D 5261 | g/m <sup>2</sup> | 200         | -          |
| ■ Ultimate Tensile Strength           | ASTM D 4595 | kN/m             | 14          | 12         |
| ■ Tensile Elongation                  | ASTM D 4595 | %                | 50          | 50         |
| ■ CBR Puncture Strength               | ASTM D 6241 | N                | 2300        | -          |
| ■ Apparent Opening Size               | ASTM D 4751 | mm               | 0.11        | -          |
| <b>Dimensions</b>                     |             |                  |             |            |
| ■ Roll Width                          | -           | m (ft)           | 3.90 (12.8) | -          |
| ■ 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.



## TMP GEOSYNTHETICS - Composite Geogrid CG30-200G

### Introduction

TMP Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The TMP Composite Geogrids are manufactured by bonding a TMP Biaxial Geogrid to a nonwoven polyester geotextile.

### Specifications

| Geogrid 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) |
| ■ Strain @ Ultimate Strength   | ASTM D 6637 | %            | 13         | 13         |

### Geotextile Physical Properties

|                             |             |                  |      |    |
|-----------------------------|-------------|------------------|------|----|
| ■ Polymer                   | -           | -                | PET  | -  |
| ■ Mass per unit area        | ASTM D 5261 | g/m <sup>2</sup> | 200  | -  |
| ■ Ultimate Tensile Strength | ASTM D 4595 | kN/m             | 14   | 12 |
| ■ Tensile Elongation        | ASTM D 4595 | %                | 50   | 50 |
| ■ CBR Puncture Strength     | ASTM D 6241 | N                | 2300 | -  |
| ■ Apparent Opening Size     | ASTM D 4751 | mm               | 0.11 | -  |

### Dimensions

|               |  |        |             |   |
|---------------|--|--------|-------------|---|
| ■ Roll Width  |  | m (ft) | 3.90 (12.8) | - |
| ■ 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.



## TMP GEOSYNTHETICS - Composite Geogrid CG40-200G

### Introduction

TMP Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The TMP Composite Geogrids are manufactured by bonding a TMP Biaxial Geogrid to a nonwoven polyester geotextile.

### Specifications

| Geogrid 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) |
| ■ Strain @ Ultimate Strength          | ASTM D 6637 | %                | 13          | 13         |
| <b>Geotextile Physical Properties</b> |             |                  |             |            |
| ■ Polymer                             | -           | -                | PET         | -          |
| ■ Mass per unit area                  | ASTM D 5261 | g/m <sup>2</sup> | 200         | -          |
| ■ Ultimate Tensile Strength           | ASTM D 4595 | kN/m             | 14          | 12         |
| ■ Tensile Elongation                  | ASTM D 4595 | %                | 50          | 50         |
| ■ CBR Puncture Strength               | ASTM D 6241 | N                | 2300        | -          |
| ■ Apparent Opening Size               | ASTM D 4751 | mm               | 0.11        | -          |
| <b>Dimensions</b>                     |             |                  |             |            |
| ■ Roll Width                          |             | m (ft)           | 3.90 (12.8) | -          |
| ■ 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.



## TMP GEOSYNTHETICS - Composite Geogrid CG50-200G

### Introduction

TMP Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The TMP Composite Geogrids are manufactured by bonding a TMP Biaxial Geogrid to a nonwoven polyester geotextile.

### Specifications

| Geogrid 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)     | 17.5 (1,200) | 17.5 (1,200) |
| ■ Tensile Strength @ 5% Strain        | ASTM D 6637 | kN/m (lb/ft)     | 35 (2,400)   | 35 (2,400)   |
| ■ Ultimate Tensile Strength           | ASTM D 6637 | kN/m (lb/ft)     | 50 (3,420)   | 50 (3,420)   |
| ■ Strain @ Ultimate Strength          | ASTM D 6637 | %                | 13           | 13           |
| <b>Geotextile Physical Properties</b> |             |                  |              |              |
| ■ Polymer                             | -           | -                | PET          | -            |
| ■ Mass per unit area                  | ASTM D 5261 | g/m <sup>2</sup> | 200          | -            |
| ■ Ultimate Tensile Strength           | ASTM D 4595 | kN/m             | 14           | 12           |
| ■ Tensile Elongation                  | ASTM D 4595 | %                | 50           | 50           |
| ■ CBR Puncture Strength               | ASTM D 6241 | N                | 2300         | -            |
| ■ Apparent Opening Size               | ASTM D 4751 | mm               | 0.11         | -            |
| <b>Dimensions</b>                     |             |                  |              |              |
| ■ Roll Width                          |             | m (ft)           | 3.90 (12.8)  | -            |
| ■ 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.

