

## 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 (850)	19.0 (1,300)
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13

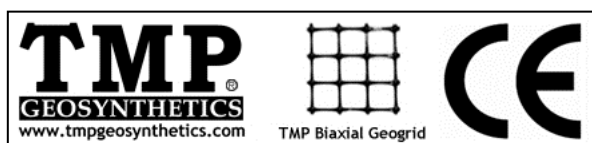
### Structural Integrity

■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	250,000	-
■ Aperture Stability	COE Method	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

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)	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	COE Method	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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