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TMP Biaxial Geogrid

Biaxial Geogrid GG1515

Biaxial Geogrid GG2020

Biaxial Geogrid GG2525

Biaxial Geogrid GG3030

Biaxial Geogrid GG4040

Biaxial Geogrid GG4545

Biaxial Geogrid GG5050

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TMP GEOSYNTHETICS - Biaxial Geogrid GG1515

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)	5 (340)	5 (340)
■ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m (lb/ft)	10.5 (720)	10.5 (720)
■ Ultimate Tensile Strength	ASTM D 6637	kN/m (lb/ft)	15 (1,030)	15 (1,030)
■ 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)	36 (1.4)	36 (1.4)
■ 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 www.tmpgeosynthetics.com TMP Biaxial Geogrid CE

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TMP GEOSYNTHETICS - Biaxial Geogrid GG2020

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)
■ 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	0.50	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	35 (1.4)	35 (1.4)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	1.5 (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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TMP GEOSYNTHETICS - Biaxial Geogrid GG2525

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)
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Structural Integrity				
■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	1,000,000	-
■ Aperture Stability	COE Method	m-N/deg	0.65	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	34 (1.3)	34 (1.3)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	1.8 (0.07)	1.4 (0.05)
■ Roll Width	-	m (ft)	3.95 (12.9) or 5.95 (19.5)	-
■ Roll Length	-	m (ft)	50 (164)	-

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TMP GEOSYNTHETICS - Biaxial Geogrid GG3030

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)
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Structural Integrity				
■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	2,000,000	-
■ Aperture Stability	COE Method	m-N/deg	0.75	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	34 (1.3)	34 (1.3)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	2.5 (0.10)	1.5 (0.06)
■ Roll Width	-	m (ft)	3.95 (12.9) or 5.95 (19.5)	-
■ 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 GG4040

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)
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Structural Integrity				
■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	4,800,000	-
■ Aperture Stability	COE Method	m-N/deg	0.98	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	33 (1.3)	33 (1.3)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	3.4 (0.13)	2.1 (0.08)
■ 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.

TMP GEOSYNTHETICS www.tmpgeosynthetics.com TMP Biaxial Geogrid CE 0338-CPD-389

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TMP GEOSYNTHETICS - Biaxial Geogrid GG4545

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)	16 (1,090)	16 (1,090)
■ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m (lb/ft)	32 (2,190)	32 (2,190)
■ Ultimate Tensile Strength	ASTM D 6637	kN/m (lb/ft)	45 (3,080)	45 (3,080)
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Structural Integrity				
■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	6,000,000	-
■ Aperture Stability	COE Method	m-N/deg	1.05	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	32 (1.3)	32 (1.3)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	4.1 (0.16)	2.2 (0.09)
■ Roll Width	-	m (ft)	3.95 (12.9)	-
■ Roll Length	-	m (ft)	50 (164)	-

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TMP GEOSYNTHETICS www.tmpgeosynthetics.com TMP Biaxial Geogrid CE

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TMP GEOSYNTHETICS - Biaxial Geogrid GG5050

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)	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
Structural Integrity				
■ Junction Efficiency	GRI GG2	%	93	93
■ Flexural Rigidity	ASTM D 7748	mg-cm	8,000,000	-
■ Aperture Stability	COE Method	m-N/deg	1.10	-
Dimensions				
■ Aperture Dimensions	-	mm (in)	30 (1.2)	30 (1.2)
■ Minimum Rib Thickness	ASTM D 1777	mm (in)	4.3 (0.17)	2.5 (0.10)
■ Roll Width	-	m (ft)	3.95 (12.9)	-
■ Roll Length	-	m (ft)	50 (164)	-

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