

EGS GEOSOLUTIONS - Composite Geogrid CG20-200G

Introduction

EGS Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The EGS Composite Geogrids are manufactured by bonding a EGS 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)

Geotextile Physical Properties

■ Polymer	-	-	PET	-
■ Mass per unit area	ASTM D 5261	g/m ²	200	-
■ Ultimate Tensile Strength	ASTM D 4595	kN/m	14	12
■ Tensile Enlongation	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)	-

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

EGS GEOSOLUTIONS - Composite Geogrid CG30-200G

Introduction

EGS Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The EGS Composite Geogrids are manufactured by bonding a EGS 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)

Geotextile Physical Properties

■ Polymer	-	-	PET	-
■ Mass per unit area	ASTM D 5261	g/m ²	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)	-

EGS GEOSOLUTIONS - Composite Geogrid CG40-200G

Introduction

EGS Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The EGS Composite Geogrids are manufactured by bonding a EGS 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)

Geotextile Physical Properties

■ Polymer	-	-	PET	-
■ Mass per unit area	ASTM D 5261	g/m ²	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)	-

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

EGS GEOSOLUTIONS - Composite Geogrid CG50-200G

Introduction

EGS Composite Geogrids are geocomposites especially designed for soil stabilisation and reinforcement applications. The EGS Composite Geogrids are manufactured by bonding a EGS 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)

Geotextile Physical Properties

■ Polymer	-	-	PET	-
■ Mass per unit area	ASTM D 5261	g/m ²	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)	-