

Composite Permagrid CP30-200G

Introduction

Permathene Composite Permagrids and geocomposites especially designed for soil stabilisation and reinforcement applications. The Composite Permagrids are manufactured by bonding a biaxial geogrid to a nonwoven polyester geotextile.

Specifications

Permagrid 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	Test Method	Units	MD Values	TD Values
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	Units	MD Values
Roll Width	m (ft)	3.90 (12.8)
Roll Length	m (ft)	50 (164)

Composite Permagrid CP40-200G

Introduction

Permathene Composite Permagrids and geocomposites especially designed for soil stabilisation and reinforcement applications. The Composite Permagrids are manufactured by bonding a biaxial geogrid to a nonwoven polyester geotextile.

Specifications

Permagrid 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	Test Method	Units	MD Values	TD Values
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	Units	MD Values
Roll Width	m (ft)	3.90 (12.8)
Roll Length	m (ft)	50 (164)