

TANRU GEOSYNTHETICS – HDPE Geocell GC2044

Introduction

■ Geocell is engineered for soil stabilization applications, it is used to help improve the performance of standard construction materials and erosion control treatments..

■ Geocell is a lightweight and flexible three-dimensional, expandable panels made from High-Density Polyethylene (HDPE) strips which are ultrasonically bonded together to form an extremely strong configuration. Tanru Geocell System can be filled with a wide range of material: aggregate, concrete, sand, soil, etc

Application

- Erosion Control Load Support Slope Protection
- Channel Protection Retaining Wall Ground Stabilization

Specification

Index Properties	Test Method	Units	Values
■ Polymer	–	–	HDPE
■ Minimum Carbon Black	ASTM D1603	%	1.5
■ Density	ASTM D1505	g/cm ³	≥0.94
■ Sheet thickness before texturing	ASTM D5199	mm	1.10
■ Sheet thickness after texturing	ASTM D5199	mm	1.50
■ Seam Peel Strength	–	N	2840
■ Weld Spacing	–	mm	445
■ Cell Depth	–	mm	200

Dimensions

■ Expanded Cell Size (width × length)	–	mm	320 X 287
■ Expanded Panel Size (width × length)	–	m	2.56 X 8.35
■ Expanded Panel Area	–	m ²	21.4 ± 1%