

Qingdao Tanru New Material Co.,LTD

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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

	Load Support	
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 × leng	th) –	mm	320 X 287	
■Expanded Panel Size (width×len	gth) –	m	2.56 X 8.35	
Expanded Panel Area	_	m^2	21.4 ± 1%	

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