



TANRU GEOSYNTHETICS – HDPE Geocell GC0771

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 | 1060 |
| ■ Weld Spacing | – | mm | 711 |
| ■ Cell Depth | – | mm | 75 |

Dimensions

| | | | |
|--|---|----------------|--------------|
| ■ Expanded Cell Size (width × length) | – | mm | 508 X 475 |
| ■ Expanded Panel Size (width × length) | – | m | 2.56 X 13.72 |
| ■ Expanded Panel Area | – | m ² | 35.12 ± 1% |