

Permagrid Uniaxial Geogrid 200

Description:

Permagrid Uniaxial Geogrid is manufactured from highest quality HDPE and is produced by extrusion and stretching in the longitudinal direction.

Performance:

High tensile strength, excellent interlocking capacity and low creep deformation.

Applications:

- Retaining walls reinforcement
- Steep slope reinforcement
- Embankment stabilisation
- Landfill Side slope reinforcement

Specifications

| Index Properties | Test Method | Units | MD Values |
|--|-------------|-------|-----------|
| Polymer | | | HDPE |
| Minimum Carbon Black | ASTM D 4218 | % | 2 |
| Tensile Strength @ 2% strain | ASTM D 6637 | kN/m | 58 |
| Tensile Strength @ 5% strain | ASTM D 6637 | kN/m | 116 |
| Ultimate Tensile Strength | ASTM D 6637 | kN/m | 200 |
| Strain @ Ultimate Strength | ASTM D 6637 | % | 11.5 |
| | | | |
| Structural Integrity | | | |
| Junction Efficiency | GRI GG2-87 | % | 90 |
| | | | |
| Reduction Factor | | | |
| Reduction Factor for Creep, 114 year design life (RF _{cr}) | ASTM D 5818 | - | 2.23 |
| | | | |
| Dimensions | | | |
| Roll Width | | m | 1 |
| Roll Length | | m | 30 |
| Roll Weight | | kg | 36 |