

TECHNICAL DATA SHEET

EXTRUDED UNIAXIAL GEOGRID **UX1550**

DEFINITION AND TYPICAL APPLICATIONS

- Manufactured out of High Density Polyethylene (HDPE) sheets, and it is punched and drawn in one direction
- These geogrids are recommended as primary reinforcement on Mechanically Stabilized Earth Walls (MSEW) and Reinforced Soil Slopes (RSS)

SPECIFICATIONS

| UNIAXIAL GEOGRID UX1550 | PROPERTIES | TEST METHOD | UNIT | RESULTS |
|---|--|--------------|-------|--------------|
| MATERIALS | | | | |
| | Polymer | -- | -- | HDPE |
| | Minimum carbon black | ASTM D 1603 | % | 2 |
| STRENGTH | | | | |
| | Tensile Strength @ 5% strain | ASTM D 6637 | kN/m | 65 |
| | Ultimate tensile strength | ASTM D 6638 | kN/m | 120 |
| | Junction strength | GRI-GG2-05 | % | 93 |
| | Flexural stiffness | ASTM D 1388 | mg-cm | 7,500,000.00 |
| RESISTANCE | | | | |
| | UV degradation resistance | ASTM D 4355 | % | 98 |
| | Oxidation resistance | EN ISO 13438 | % | 100 |
| REDUCTION FACTORS | | | | |
| | Reduction factor for installation damage (RF _{id}) | ASTM D 5818 | -- | 1.02 |
| | Reduction factor for creep for 114-years design life (RF _{cr}) | ASTM D 5262 | -- | 2.25 |
| | Reduction factor for durability (RF _D) | ASTM D 5262 | -- | 1 |
| GEOMETRY | | | | |
| | Roll width | -- | m | 1 |
| | Roll length | -- | m | 50 |
| <p>The information contained herein is, to the best of our knowledge, accurate in all material respects Geopool Engineering Materials Co., Ltd</p> | | | | |