



1. Definition

Our warpknitted geogrids are manufactured of high tenacity polyester yarns ,woven into a stable interlocking grid and then coated with PVC or other polymer to provide damage protection during installation . They are developed for soil and aggregate reinforcement.

2. Specifications

| Properties | | Test Method | Unit | WKG100-2 | WKG120-2 | WKG150-2 | WKG200-2 |
|---------------------|-----------------------------------|----------------|------|-------------------------|----------|----------|----------|
| Uniaxial Geogrid | Material | - | - | High tenacity PET yarns | | | |
| | Coating | - | - | PVC | | | |
| | Tensile strength (MD) | ASTM D 6637 | kN/m | 100 | 120 | 150 | 200 |
| | Tensile strength (TD) | ASTM D 6637 | kN/m | 30 | 30 | 30 | 30 |
| | Elongation (±2.0) | ASTM D 6637 | % | 12 | 12 | 12 | 12 |
| | Tensile strength @ 2% strain (MD) | ASTM D 6637 | kN/m | 19.5 | 23 | 30 | 39 |
| | Tensile strength @ 5% strain (MD) | ASTM D 6637 | kN/m | 50 | 60 | 75 | 100 |
| | Aperture size | - | mm | 25X25 | 25X25 | 25X25 | 30X30 |
| | Roll width | - | m | 5.2 | 5.2 | 5.2 | 5.2 |
| | Roll length | - | m | 200 | 200 | 200 | 200 |
| Roll area | - | m ² | 1040 | 1040 | 1040 | 1040 | |

The information contained herein is , to the best of our knowledge , accurate in all material respects