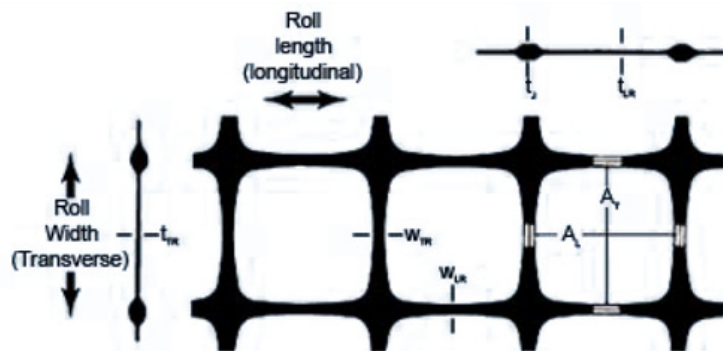


# Interlock Bi-Axial Geogrids

**Interlock Geogrids** are extruded polypropylene geogrids designed for soil stabilisation and reinforcement applications. **Interlock Geogrids** feature consistently high tensile strength and modulus, excellent resistance to construction damages and environmental exposure. The geometry of the **Interlock Geogrids** allow strong mechanical interlock with the soil being reinforced.

| Index Properties             |    | Test Method | Unit     | Interlock 20/20 | Interlock 30/30 | Interlock 40/40 |
|------------------------------|----|-------------|----------|-----------------|-----------------|-----------------|
| Polymer                      |    |             |          | PP              | PP              | PP              |
| Minimum Carbon Black         |    | ASTM D 4218 | %        | 2               | 2               | 2               |
| Tensile Strength @ 2% Strain | MD | ASTM D 6637 | kN/m     | 7               | 10.5            | 14              |
|                              | TD |             |          | 7               | 10.5            | 14              |
| Tensile Strength @ 5% Strain | MD | ASTM D 6637 | kN/m     | 14              | 21              | 28              |
|                              | TD |             |          | 14              | 21              | 28              |
| Ultimate Tensile Strength    | MD | ASTM D 6637 | kN/m     | 20              | 30              | 40              |
|                              | TD |             |          | 20              | 30              | 40              |
| Strain @ Ultimate Strength   | MD | ASTM D 6637 | %        | 13              | 13              | 13              |
|                              | TD |             |          | 13              | 13              | 13              |
| Structural Integrity         |    |             |          |                 |                 |                 |
| Junction Efficiency          |    | GRI GG2     | %        | 90              | 90              | 90              |
| Flexural Rigidity            |    | ASTM D 1388 | mg-cm    | 1,090,000       | 3,930,000       | 11,480,000      |
| Aperture Stability           |    | COE Method  | mm-N/deg | 707             | 1432            | 2104            |
| Dimensions                   |    |             |          |                 |                 |                 |
| Roll Width                   |    |             | m        | 4               | 4               | 4               |
| Roll Length                  |    |             | m        | 50              | 50              | 50              |
| Roll Weight                  |    |             | kg       | 50              | 68              | 96              |

MD denotes Machine Direction, TD denotes Transverse Direction



| Product         | $A_L$ | $A_T$ | $W_{LR}$ | $W_{TR}$ | $t_{LR}$ | $t_{TR}$ | $t_j$ |
|-----------------|-------|-------|----------|----------|----------|----------|-------|
| Interlock 20/20 | 38    | 36    | 3.0      | 3.2      | 1.3      | 1.0      | 3.0   |
| Interlock 30/30 | 36    | 34    | 2.8      | 2.8      | 2.1      | 1.8      | 4.7   |
| Interlock 40/40 | 36    | 34    | 3.8      | 4.5      | 2.6      | 1.6      | 5.0   |

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.

