



Product Data Sheet

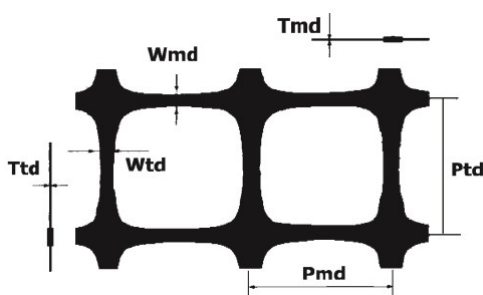
INTERLOCK

Interlock Geogrids are manufactured from highly orientated (punched and stretched) monolithic polypropylene sheets with integral nodes, specifically for the reinforcement and stabilisation of unbound granular soils. The junctions and rib geometry facilitate mechanical interlock with the granular soil layers.

Functions: Interlock Geogrids are robust - they have a tensile strength at high levels of strain, to provide the necessary reinforcement function, to resist installation damage during the initial construction phase. Interlock Geogrids are stiff - they have a high modulus at low levels of strain, to provide the required stabilisation function, to enhance or maintain the foundation stiffness whilst in-service.

Application and Installation: Interlock Geogrids are used in multiple foundation solution applications, in both temporary works and permanent works. The roll widths have been selected to eliminate longitudinal overlaps in some haul road applications and reduce wastage and installation time in all trafficked and hardstanding applications.

| PRODUCT | TENSILE STRENGTH (KN/M) ⁽²⁾ | | TENSILE LOAD (KN/M) | | | | JUNCTION EFFICIENCY (%) ⁽⁴⁾ |
|--------------|--|----|---------------------|------|-----------|------|--|
| | | | 2% STRAIN | | 5% STRAIN | | |
| | MD | TD | MD | TD | MD | TD | |
| Interlock 20 | 20 | 20 | 7.0 | 7.4 | 14.0 | 14.6 | ≥ 95% |
| Interlock 30 | 30 | 30 | 11.0 | 11.0 | 21.0 | 21.0 | ≥ 95% |



Note 1: Carbon black content included to give a predicted product life ≥ 50 years, when used in natural soils with $4 \leq \text{pH} \leq 9$ and temperatures ≤ 25 Deg.C.

Note 2: All strength and load figures are based on test results from the manufacturer's laboratory in accordance with ISO10319 at the temperature of 21+10C. Unless indicated otherwise, values shown are MARV determined in accordance with ASTM D-4759.

Note 3: Other roll sizes are available to order.

Note 4: Measured by comparing the results of tests in accordance with test methods GRI-GG1 and GRI-GG2.

| PRODUCT | PITCH SIZE (MM) | | RIB WIDTH (MM) | | RIB DEPTH (MM) | | STANDARD ROLL SIZES ⁽³⁾ |
|--------------|-----------------|-----|----------------|-----|----------------|-----|-------------------------------------|
| | PMD | PTD | WMD | WTD | TMD | TTD | |
| Interlock 20 | 40 | 40 | 2.3 | 3.1 | 1.3 | 0.7 | 530m ² (5.3mW x 100.0mL) |
| Interlock 30 | 40 | 40 | 2.4 | 3.7 | 2.4 | 1.0 | 398m ² (5.3mW x 75.0mL) |

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.



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