



■ GBX Geogrid

Product Type: Integrally Formed Biaxial Geogrid
Polymer: Polypropylene
Load Transfer Mechanism: Positive Mechanical Interlock
Primary Applications: Base Reinforcement, Subgrade Improvement

| PROPERTY | UNIT | GBX-11 | GBX-12 | GBX-13 | GBX-15 | GBX-41 |
|-------------------------------------|------------------------------|----------------------------|-------------|-------------|-------------|-------------|
| □ Index Properties | | | | | | |
| Aperture Dimensions (M x X) | in | 1.0 x 1.3 | 1.0 x 1.3 | 1.8 x 2.5 | 1.0 x 1.2 | 1.3x1.3 |
| Minimum Rib Thickness | in | 0.03 x 0.03 | 0.05 x 0.05 | 0.05 x 0.05 | 0.07 x 0.06 | 0.03 x 0.03 |
| Tensile Strength @ 2% Strain | lbs/ft | 280 x 450 | 410 x 620 | 380x 650 | 580 x 690 | 270 x 380 |
| Tensile Strength @ 5% Strain | | 580 x 920 | 810 x 1340 | 720 x 1200 | 1200 x 1370 | 550 x 720 |
| Ultimate Tensile Strength | | 850 x 1300 | 1310 x 1970 | 1100 x 1920 | 1850 x 2050 | 880 x 920 |
| □ Structural Integrity | | | | | | |
| Junction Efficiency | % | 93 | 93 | 93 | 93 | 93 |
| Flexural Stiffness | mg-cm | 250,000 | 750,000 | 450,000 | 2,000,000 | 250,000 |
| Aperture Stability | m-N/deg | 0.32 | 0.65 | 0.58 | 0.75 | 0.28 |
| □ Durability | | | | | | |
| Resistance to Installation Damage | % | 95/93/90 | 95/93/90 | 91/83/72 | 95/93/90 | 90/83/70 |
| Resistance to Long Term Degradation | | 100 | 100 | 100 | 100 | 100 |
| Resistance to UV Degradation | | 100 | 100 | 100 | 100 | 100 |
| □ Roll Sizes Available | | | | | | |
| | ft yd ² lbs | Call for Roll Sizes | | | | |

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 12-01-22 and are subject to change without notice.

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