

M. A. R. V. Properties
of
Synteen Geogrids

| Property | Symbol | Method | SF110 | |
|---|--------|---------------|-------------------|------|
| Note: All geogrids woven PET with PVC Coatings | | | | |
| Tensile Properties | | | LBS/FT | |
| MD - Ultimate Strength | Tult | ASTM D-4595 | 10205 | |
| MD - Ultimate Strain at Failure | % | ASTM D-4595 | 17% | |
| MD - Creep Reduced Strength | TI | ASTM D-5262 | 5831 | |
| DESIGN STRENGTH PROPERTIES | | | | |
| CREEP Reduction Factor(ed=10' | RFCR | GRI-GG4b '91 | 1.75 | |
| AGING/DURABILITY Reduction Factor 5<soil PH<8 | RFD | GRI-GG4b '91 | 1.1 | |
| INSTALLATION DAMAGE Reduction Factor 1:100mm Max, 30mm D50, PI<6 | RFID | GRI-GG4b '91 | 1.4 | |
| 2:20mm Max, 0.7mm D50, PI<6 | RFID | GRI-GG4b '91 | 1.05 | |
| 3:20mm Max, .1-.5mmD50, PI<20 | RFID | GRI-GG4b '91 | 1.05 | |
| Tult / RF for Soil Type 1: = | LTDS | GRI-GG4b '91 | 3786 | |
| Tult / RF for Soil Type 2: = | LTDS | GRI-GG4b '91 | 5048 | |
| Tult / RF for Soil Type 3: = | LTDS | GRI-GG4b '91 | 5048 | |
| DESIGN INTERACTION PROPERTIES | | | Note: Ci & Cds te | |
| Coefficient of Interaction: | Ci | GRI - GG5 '91 | Ci | |
| Coefficient of Direct Sliding: | Cds | ASTM D-5321 | Cds | |
| Soil Type 1: | | see above | 0.75 | 0.65 |
| Soil Type 2: | | see above | 0.85 | 0.9 |
| Soil Type 3: | | see above | 0.7 | 0.85 |
| PHYSICAL PROPERTIES | | | US | |
| MD - Aperture Size: | (ins.) | measured | 0.75 | |
| CMD - Aperture Size: | (ins.) | measured | 0.75 | |

Synteen can custom produce roll size and vary aperture size for site specific applications