

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

| Property | Symbol | Method | SF35 | |
|--|--------|---------------|-------------------|------|
| Note: All geogrids woven PET with PVC Coatings | | | | |
| Tensile Properties | | | LBS/FT | |
| MD - Ultimate Strength | Tult | ASTM D-4595 | 3055 | |
| MD - Ultimate Strain at Failure | % | ASTM D-4595 | 13% | |
| MD - Creep Reduced Strength | TI | ASTM D-5262 | 1983 | |
| DESIGN STRENGTH PROPERTIES | | | | |
| CREEP Reduction Factor(ed=10' | RFCR | NCMA 97 | 1.54 | |
| AGING/DURABILITY Reduction Factor 5<soil PH<8 | RFD | NCMA 97 | 1.1 | |
| INSTALLATION DAMAGE Reduction Factor | | | | |
| 1:100mm Max, 30mm D50, PI<6 | RFID | NCMA 97 | 1.63 | |
| 2:20mm Max, 0.7mm D50, PI<6 | RFID | NCMA 97 | 1.08 | |
| 3:20mm Max, .1-.5mmD50, PI<20 | RFID | NCMA 97 | 1.08 | |
| Tult / RF for Soil Type 1: = | LTDS | NCMA 97 | 1106 | |
| Tult / RF for Soil Type 2: = | LTDS | NCMA 97 | 1669 | |
| Tult / RF for Soil Type 3: = | LTDS | NCMA 97 | 1669 | |
| 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 | 0.7 |
| Soil Type 2: | | see above | 0.8 | 0.8 |
| Soil Type 3: | | see above | 0.72 | 0.75 |
| 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 | | | | |