# ■ SF 80 Soil Reinforcement Geogrid

Synteen SF 80 Geogrid from Carthage Mills is composed of high molecular weight, high tenacity multifilament polyester yarns that are woven into a stable network placed under tension. The high strength polyester yarns are coated with a PVC material.

SF Geogrids are inert to biological degradation and are resistant to naturally encountered chemicals, alkalis and acids. SF Geogrids are typically used for soil reinforcement applications such as retaining walls, steepened slopes, embankments, sub-grade stabilization, embankments over soft soils and waste containment applications.

| PROPERTY | TEST METHOD | DATA (MARV) | |
| --- | --- | --- | --- |
| | | METRIC | ENGLISH |
| □ **Mechanical/Performance/Design** | | | |
| Tensile Ultimate (MD) | ASTM D 6637 (Method B) | 110.2 kN/m | 7,550 lbs/ft |
| Creep Limited Strength | ASTM D 5262 | 73.0 kN/m | 5,000 lbs/ft |
| $T_{al}$=Long Term Design Strength (MD) [1] | NCMA 97 | 63.2 kN/m | 4,329 lbs/ft |
| □ **Physical** | | | |
| Aperture Size (in) | Measured | 20 x 25.4 mm | 0.79 x 1.00 in |
| Standard Roll Sizes / Packaging / Weight | Measured (Typical) | 1.82 m x 45.72 m 83.21 m² 39.9 kg | 6.0 ft x 150.0 ft 100 yd² 88 lbs |

[1] RF Creep – 1.51  RF Durability – 1.10  RF Installation Damage (Soil Type 3) – 1.05
- Other roll sizes available on a per project basis.  Call for more information.
- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 01-01-2024 and are subject to change without notice.

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