**SF110**
**SOIL REINFORCEMENT GEOGRID**

**SF110** 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.

| TENSILE PROPERTIES | TEST METHOD | MARV VALUES | |
|---|---|---|---|
| | | (kN/m) | (LBS/FT) |
| Ultimate Strength (MD) | ASTM D 6637 | 150.3 | 10,300 |
| Creep Limited Strength (MD) | ASTM D 5262 | 99.6 | 6,821 |
| $T_{al}$ = Long Term Design Strength (MD) | NCMA 97 | 86.2 | 5,906 |
| Aperture Size (ins.) | Measured | 16 x 25.4 (mm) | 0.63 x 1.00 (in) |

Reduction Factors:

- Creep ($RF_{CR}$) 1.51
- Durability ($RF_{D}$) 1.10
- Installation Damage* ($RF_{ID}$) 1.05

* Soil Type 3

SYNTEEN Technical Fabrics, Inc Warranty Synteen Technical Fabrics warrants our products to be free from defects in material and workmanship when delivered to our customers and that our products meet our published specifications. If a product is found to be defective, and our customer gives notice to Synteen Technical Fabrics before installing the product, Synteen Technical Fabrics will replace the product without charge to our customer or refund the purchase price at Synteen Technical Fabrics election. Replacing the product or obtaining a refund are the buyer's sole remedy for a breach and Synteen Technical Fabrics will not be liable for any consequential damage attributed to a defective product. This warranty is given in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond the description provided herein.

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