



## SF 110 Soil Reinforcement Geogrid

Synten SF 110 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
<input type="checkbox"/> <b>Mechanical/Performance/Design</b>			
Tensile Ultimate (MD)	ASTM D 6637 (Method B)	150.3 kN/m	10,300 lbs/ft
Creep Limited Strength	ASTM D 5262	99.6 kN/m	6,821 lbs/ft
T <sub>ai</sub> =Long Term Design Strength (MD x CD) <sup>(1)</sup>	NCMA 97	86.2 kN/m	5,906 lbs/ft
<input type="checkbox"/> <b>Physical</b>			
Aperture Size (in)	Measured	16 mm x 25.4 mm	0.63 in x 1.00 in
Standard Roll Sizes / Packaging / Weight	Measured (Typical)	1.82 m x 45.72 m 83.21 m <sup>2</sup> 47.62 kg	6.0 ft x 150.0 ft 100 yd <sup>2</sup> 105 lbs

- <sup>(1)</sup> 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 12-01-2021 and are subject to change without notice.

★ Proudly Made in the U.S.A.! ★

Carthage Mills assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Carthage Mills disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.