



## ■ Carthage Mills’ SF Series of SRW Geogrids

Carthage Mills’ SF Series of SRW Geogrids for soil and aggregate reinforcement are manufactured of high tenacity, high molecular weight, polyester yarns, woven into a stable interlocking grid, placed under tension, and then PVC coated to provide damage protection during installation. They are developed for the reinforcement of steepened slopes and segmental retaining walls.

Carthage Mills’ SF Series of SRW Geogrids are:

- Biologically inert, resistant to most naturally encountered chemicals, alkalis, and acids
- Resistant to ultra violet exposure and installation damage
- Resistant to long-term creep
- Flexible for easy installation

PROPERTY	TEST METHOD	UNIT	SF20	SF35	SF55	SF65	SF80	SF90	SF110	SF180
<b>□ Mechanical</b>										
Tensile Strength @ Ultimate - MD	ASTM D 6637	lbs/ft (kN/M)	2,025 (29.55)	3,600 (52.5)	5000 (73.0)	6,200 (90.5)	7,550 (110.2)	9,000 (131.3)	10,300 (150.3)	14,500 (211.6)
Creep Limited Strength	ASTM D 5262	lbs/ft (kN/M)	1,341 (19.6)	2,384 (34.8)	3,311 (48.3)	4,106 (59.9)	5,000 (73.0)	5,960 (87.0)	6,821 (99.6)	9,602 (140.1)
Long Term Design Strength-LTDS <sup>(1)</sup>	GRI-GG-4(b)	lbs/ft (kN/M)	1,161 (16.9)	2,064 (30.1)	2,867 (41.8)	3,555 (51.9)	4,329 (63.2)	5,160 (75.3)	5,906 (86.2)	8,314 (121.3)
<b>□ Physical</b>										
Aperture Size (in)			1.1 x 0.79	0.79 x 1.0	0.87 x 1.0	0.79 x 1.0	0.79x1.0	0.63x1.0	0.63 x 1.0	0.51x1.0
Standard Roll Sizes (for ease of handling) <sup>(2)</sup> Packaging Weight - (Typical)	Measured	ft (m)	6x150 (1.8x46)	6x150 (1.8x46)	6x150 (1.8x46)	6x150 (1.8x46)	6x150 (1.8x46)	6x150 (1.8x46)	6x150 (1.8x46)	12x150 (3.65x45.72)
		yd <sup>2</sup> (m <sup>2</sup> )	100 (83.5)	100 (83.5)	100 (83.5)	100 (83.5)	100 (83.5)	100 (83.5)	100 (83.5)	200 (182.88)
		lbs (kg)	55 (24.94)	65 (29.48)	70 (31.75)	83 (37.64)	88 (39.9)	95 (43.09)	105 (47.62)	-

(1) See individual datasheets for reduction factors

(2) **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.

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