



**SRW Geogrid Quick Reference**

Geogrid	Factors	3 Series (bi-directional)	5 Series	7 Series	8 Series	9 Series	10 Series	11 Series
Weight (avg)	oz/sq. yd	4.08	5.91	7.22	10.75	8.94	10.26	12.31
Aperture Size (avg)	MD x CMD (inches)	.75 x .75	.75 x .75	.75 x .75	.75 x .75	.75 x .75	.75 x .75	.75 x .75
Design Strength Properties	RFCR	1.54	1.54	1.54	1.54	1.55	1.55	1.57
	RFID	1.10	1.08	1.05	1.05	1.05	1.05	1.05
	RFD	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Wide Width Tensile Strength	% @ Ultimate MD	1940	3200	4200	6000	7400	8500	10205
Ultimate Strain at Failure	% MD	14.4	13	15	11.5	15	15	17
Long Term Design Strength (LTDS)	lb/ft, MD	<b>1041</b>	<b>1749</b>	<b>2361</b>	<b>3373</b>	<b>4133</b>	<b>4747</b>	<b>5627</b>

**KEY:**  
 MD=Machine Direction  
 CMD=Cross Machine Direction

**Partial reduction factors:**  
 RFCR=for creep deformation  
 RFID=for installation damage  
 RFD=for durability

All values stated are Minimum Average Roll Values (unless otherwise stated). Based on a 95% confidence level.

SRW Geogrid is manufactured from polyester with a molecular weight (Mn) > 25,000 grams/mole and carboxyl end groups (CEG's) < 30 mmol/kg.

**EXAMPLE (9 Series):**

$$\text{LTDS (MD)} = \frac{T \text{ ultimate (MD)}}{\text{RFCR} \cdot \text{RFID} \cdot \text{RFD}} = \frac{7400}{1.55 \times 1.05 \times 1.10} = 4133 \text{ lb/ft}$$

See SRW Catalog for dimensions and packaging