



# GBX Geogrid

**Product Type:** Integrally Formed Biaxial Geogrid  
**Polymer:** Polypropylene  
**Load Transfer Mechanism:** Positive Mechanical Interlock  
**Primary Applications:** Base Reinforcement, Subgrade Improvement

PROPERTY	UNIT	GBX-11	GBX-12	GBX-13	GBX-15	GBX-41	GBX-42	GBX-1515	GBX-2020	GBX-3030
<b>□ Index Properties</b>										
Aperture Dimensions (M x X)	in	1.0 x 1.3	1.0 x 1.3	1.65 x 2.36	1.0 x 1.2	1.3x1.3	1.3 x 1.3	1.5x1.5	1.42 x 1.50	1.5x1.5
Minimum Rib Thickness	in	0.03 x 0.03	0.03 x 0.03	0.05 x 0.05	0.07 x 0.06	0.03 x 0.03	0.05 x 0.05	0.035x0.025	0.04 x 0.03	0.09x0.06
Tensile Strength @ 2% Strain	lbs/ft	280 x 450	410 x 620	380x 650	580 x 690	270 x 380	380 x 510	340 x 340	450 x 450	720x720
Tensile Strength @ 5% Strain		580 x 920	810 x 1340	720 x 1200	1200 x 1370	550 x 720	720 x 1,000	750 x 750	890 x 890	1440x1440
Ultimate Tensile Strength		850 x 1300	1310 x 1970	1100 x 1920	1850 x 2050	880 x 920	1400 x 1610	1030 x 1030	1370 x 1370	2055x2055
<b>□ Structural Integrity</b>										
Junction Efficiency	%	93	93	93	93	93	93	93	93	93
Flexural Stiffness	mg-cm	250,000	750,000	450,000	2,000,000	250,000	750,000	325,000	700,000	2,000,000
Aperture Stability	m-N/deg	0.32	0.65	0.58	0.75	0.28	0.48	0.38	0.45	0.75
<b>□ Durability</b>										
Resistance to Installation Damage	%	95/93/90	95/93/90	91/83/72	95/93/90	90/83/70	90/83/75	95/93/90	95/93/90	95/93/90
Resistance to Long Term Degradation		100	100	100	100	100	100	100	100	100
Resistance to UV Degradation		100	100	100	100	100	100	100	100	100
<b>□ Roll Sizes Available</b>										
	ft yd <sup>2</sup> lbs	12.95x246 354 yds <sup>2</sup>	12.95x164 236yds <sup>2</sup>	13.1x164 239yds <sup>2</sup>	13.1x164 239yds <sup>2</sup>	9.8x246 268yds <sup>2</sup>	9.8x164 179yds <sup>2</sup>	13.1x246 358yds <sup>2</sup>	13.1x246 358yds <sup>2</sup>	13.1x164 239yds <sup>2</sup>
		13.10x246 358 yds <sup>2</sup>	13.10x164 239yds <sup>2</sup>			16x328 583yds <sup>2</sup>				

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 12-01-16 and are subject to change without notice.

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