



■ 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
□ Index Properties						
Aperture Dimensions (M x X)	in	1.0 x 1.3	1.0 x 1.3	1.8 x 2.5	1.0 x 1.2	1.5x1.5
Minimum Rib Thickness	in	0.03 x 0.03	0.05 x 0.05	0.05 x 0.05	0.07 x 0.06	0.035 x 0.025
Tensile Strength @ 2% Strain	lbs/ft	280 x 450	410 x 620	380x 650	580 x 690	340 x 340
Tensile Strength @ 5% Strain		580 x 920	810 x 1340	720 x 1200	1200 x 1370	750 x 750
Ultimate Tensile Strength		850 x 1300	1310 x 1970	1100 x 1920	1850 x 2050	1030 x 1030
□ Structural Integrity						
Junction Efficiency	%	93	93	93	93	93
Flexural Stiffness	mg-cm	250,000	750,000	450,000	2,000,000	325,000
Aperture Stability	m-N/deg	0.32	0.65	0.58	0.75	0.38
□ Durability						
Resistance to Installation Damage	%	95/93/90	95/93/90	91/83/72	95/93/90	95/93/90
Resistance to Long Term Degradation		100	100	100	100	100
Resistance to UV Degradation		100	100	100	100	100
□ Roll Sizes Available						
	ft yd ² lbs	9.8x246 268 yds ²	9.8x164 179yds ²	12.9x164 235yds ²	12.9x164 235yds ²	9.8x246 268yds ²
		13.10x246 358 yds ²	13.10x164 239 yds ²			12.9x246 353yds ²
		16.0x328 583 yds ²	16.0x328 583yds ²	16x328 583yds ²		

- Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
- The properties reported above are effective 12-01-23 and are subject to change without notice.

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