

Product Name:	BX1100
Product Type:	Integrally Formed Biaxial Geogrid
Polymer:	Polypropylene
Load Transfer Mechanism:	Positive Mechanical Interlock
Primary Applications:	Base Reinforcement, Subgrade Stabilization

PRODUCT PROPERTIES¹

Index Properties	Test Method	Units	MD Values ¹	XMD Values ¹
» Aperture Dimensions ²		in (mm)	1 (25)	1.3 (33)
» Minimum Rib Thickness ²		in (mm)	0.03 (0.8)	0.03 (0.8)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	280 (4.1)	450 (6.6)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	580 (8.5)	920 (13.4)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	850 (12.4)	1,300 (19)

Structural Integrity

» Junction Efficiency	ASTM D6637 & D7737	%	93
» Overall Flexural Stiffness	ASTM D7748	mg-cm	250,000
» Aperture Stability	ASTM D7864	m-N/deg	0.32

Durability

» Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP	95 / 93 / 90
» Resistance to Long Term Degradation	EPA 9090	%	100
» Resistance to UV Degradation	ASTM D4355	%	100

Dimensions

	Length ft (m)	Width ft (m)
» Standard Roll Size	246 (75)	12.9 (3.93)
» Custom Roll Sizes	246 (75)	13.1 (4)
	246 (75)	16 (4.88)

Dimensions & Delivery

The biaxial geogrid shall be delivered to the job site in roll form with each roll individually identified. **Roll sizes depend on availability at time of order.**

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759.
2. Nominal Dimensions.



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Customer should verify with the product manufacturer that customer has the most current **BASELOK™ GEOGRID** specifications for the product ordered or purchased. The **BASELOK™ GEOGRID** system can be used in the application described in our literature and on our website, provided proper installation and engineering principles are followed. Professional engineering should be consulted before installation of **BASELOK™ GEOGRID** units to assure appropriate design and use. ALL EXPRESSED OR IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. **BASELOK™** is a trademark of Industrial Fabrics, Inc.