

ITL BX1100 | Technical Specifications

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 ³	ASTM D6637	lb/ft (kN/m)	280 (4.1)	450 (6.6)
» Tensile Strength @ 5% Strain ³	ASTM D6637	lb/ft (kN/m)	580 (8.5)	920 (13.4)
» Ultimate Tensile Strength ³	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 Sizes	328 (100)	12.5 (3.81)
	328 (100)	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.
- 3. Determined in accordance with ASTM D6637 Method B

Disclaimer: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity, as well as other performance criteria, are not implied or given, and actual testing must be performed for applicability in specific applications and/or conditions.
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