

**Product Name:** BX1500  
**Product Type:** Integrally Formed Biaxial Geogrid  
**Polymer:** Polypropylene  
**Load Transfer Mechanism:** Positive Mechanical Interlock  
**Primary Applications:** Base Reinforcement, Subgrade Stabilization

**PRODUCT PROPERTIES<sup>1</sup>**

Index Properties	Test Method	Units	MD Values <sup>1</sup>	XMD Values <sup>1</sup>
» Aperture Dimensions		in (mm)	1 (25)	1.06 (27)
» Minimum Rib Thickness <sup>2</sup>		in (mm)	0.07 (1.78)	0.06 (1.5)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	580 (8.5)	690 (10)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	1,200 (17.5)	1,370 (20)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	1,850 (27)	2,050 (30)

**Structural Integrity**

» Junction Efficiency	ASTM D6637 & D7737	%	90	
» Flexural Stiffness	ASTM D7748	mg-cm	2,000,000	
» Aperture Stability <sup>3</sup>	USACOE Method	m-N/deg	0.6	

**Durability**

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

**Dimensions**

	Length (ft) (m)	Width (ft)
» *Standard Roll Sizes	164 (50)	13.1 (4)

**\*Roll Sizes Depend on Availability at Time of Order**

**Dimensions & Delivery**

The biaxial geogrid shall be delivered to the job site in roll form with each roll individually identified and nominally measuring 4m (13.1-FT) in width and 50m (164-FT) in length.

**Notes:**

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759.
2. Nominal dimensions.
3. Resistance to in-plane rotational movement measured by applying a 20 kg-cm (2 N-m) moment to the central junction of a 9 inch x 9 inch specimen restrained at its perimeter in accordance with U.S. Army Corps of Engineers Methodology for measurement of Aperture Stability Modulus (Torsional Rigidity).



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