

Product Name: BX3030L
Product Type: Integrally Formed Uniaxial Geogrid
Polymer: Polypropylene
Load Transfer Mechanism: Positive Mechanical Interlock
Primary Applications: Marine Systems

PRODUCT PROPERTIES¹

Index Properties	Test Method	Units	MD Values ¹	XMD Values ¹
» Aperture Dimensions		in (mm)	2.2 (57)	2.2 (57)
» Minimum Rib Thickness ²		in (mm)	0.06 (1.5)	0.04 (0.9)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	710 (9.63)	710 (9.63)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	1,430 (19.4)	1,430 (19.4)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	2,050 (30)	2,050 (30)

Structural Integrity

» Junction Efficiency	ASTM D6637 & D7737	%	93
» Flexural Stiffness	ASTM D7748	mg-cm	450,000
» Aperture Stability ³	USACOE Method	m-N/deg	0.58

Durability

» Resistance to Installation Damage	ASTM D6637 & D5818	%GP	75
» 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	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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