

Product Name: MBX1610
Product Type: Integrally Formed Biaxial 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)	1.7 (43.2)	1.9 (48.3)
» Minimum Rib Thickness ²		in (mm)	.06 (1.58)	.06 (1.58)
» Tensile Strength @ 2% Strain	ASTM D6637	lb/ft (kN/m)	450 (6.5)	450 (6.5)
» Tensile Strength @ 5% Strain	ASTM D6637	lb/ft (kN/m)	820 (12)	820 (12)
» True Initial Modulus In Use	ASTM D6637	lb/ft (kN/m)	32,900 (480)	32,900 (480)
» Ultimate Tensile Strength	ASTM D6637	lb/ft (kN/m)	1,575 (23)	1,575 (23)

Structural Integrity

» Junction Efficiency	ASTM D6637 & D7737	%	93	
» Flexural Stiffness	ASTM D7748	mg-cm	750,000	
» Aperture Stability ³	GRI GG9	m-N/deg	6	

Durability

» Resistance to Installation Damage	ASTM D6637 & D5818	%SC / %SW / %GP	91 / 83 / 71	
» 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. **BASELOK™ GEOGRID** is also available in 16-FT width.

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 GRI GG9 for measurement of Aperture Stability Modulus (Torsional Rigidity).



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