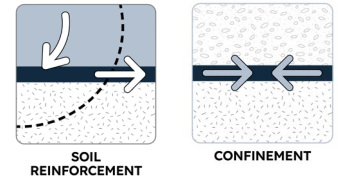


# MIRAFI BXG300



MIRAFI® BXG300 geogrid is composed of polypropylene resin which is extruded, punched and drawn into a grid structure. MIRAFI BXG300 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)). MIRAFI BXG300 meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE	
			MD	CD
Tensile Strength (at ultimate) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	2055 (30)	2055 (30)
Tensile Strength (at 2% strain) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	720 (10.5)	720 (10.5)
Tensile Strength (at 5% strain) <sup>1</sup>	ASTM D6637	lbs/ft (kN/m)	1440 (21)	1440 (21)
Junction Efficiency <sup>3</sup>		%		93
Flexural Rigidity <sup>4</sup>		mg-cm		2,000,000
Aperture Stability <sup>5</sup>		m-N/deg		0.75

PHYSICAL PROPERTIES	UNIT	TYPICAL ROLL SIZE
Grid Aperture Size (MD) <sup>2</sup>	in (mm)	1.5 (38.0)
Grid Aperture Size (CMD) <sup>2</sup>	in (mm)	1.5 (38.0)
Roll Dimensions (width x length)	ft (m)	12.5 x 164 (3.8 x 50)
Roll Area	yd <sup>2</sup> (m <sup>2</sup> )	228 (191)
Estimated Roll Weight		167 (76)

<sup>1</sup> Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759.  
<sup>2</sup> Nominal dimensions.  
<sup>3</sup> Load Transfer capability determined in accordance with ASTM D7737.  
<sup>4</sup> Resistance to bending force determined in accordance with ASTM D7748, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs and of length sufficiently long to enable measurement of the overhang dimension.  
<sup>5</sup> Resistance to in-plane rotational movement measured by applying a 20 kg-cm (2 m-N) moment to the central junction of a 9-inch x 9-inch specimen restrained at its perimeter in accordance with GRI GG9

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