



**ADS GEOSYNTHETICS ADS BX404GGS BIAXIAL GEOGRID PRODUCT SPECIFICATION:**

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

**Product Properties:**

INDEX PROPERTIES	UNIT	MD VALUES <sup>1</sup>	XMD VALUES <sup>1</sup>
Aperture Dimensions <sup>2</sup>	mm (in)	35 (1.38)	42 (1.65)
Minimum Rib Thickness <sup>2</sup>	mm (in)	1.1 (0.04)	1.1 (0.04)
Tensile Strength @ 2% Strain <sup>3</sup>	kN/m (lb/ft)	4.1 (280)	4.1 (280)
Tensile Strength @ 5% Strain <sup>3</sup>	kN/m (lb/ft)	8.0 (550)	8.0 (550)
Ultimate Tensile Strength <sup>3</sup>	kN/m (lb/ft)	11.7 (800)	11.7 (800)
<b>STRUCTURAL INTEGRITY</b>			
Junction Efficiency <sup>4</sup>	%	90	
Flexural Stiffness <sup>5</sup>	mg-cm	250,000	
<b>DIMENSIONS AND DELIVERY</b>			
<p>The biaxial geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.9 meters (12.9 feet) in width and 75.0 meters (246 feet) in length. A typical truckload quantity is 250 rolls.</p>			

**Notes:**

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02. Brief descriptions of test procedures are given in the following notes.
2. Nominal dimensions.
3. Resistance to elongation determined in accordance with ASTM D6637-01.
4. Load transfer capability determined in accordance with GRI-GG2-05 and expressed as a percentage of ultimate tensile strength.
5. Resistance to bending force determined in accordance with ASTM D5732-01, using specimens of width two ribs wide, with transverse ribs cut flush with exterior edges of longitudinal ribs (as a "ladder"), and of length sufficiently long to enable measurement of the overhang dimension. The overall Flexural Stiffness is calculated as the square root of the product of MD and XMD Flexural Stiffness values.