



ADS GEOSYNTHETICS ADS BX224GGS 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 ¹	XMD VALUES ¹
Aperture Dimensions ^{2a}	mm (in)	36 (1.4)	30 (1.2)
Minimum Rib Thickness ^{2b}	mm (in)	1.3 (0.05)	1.0 (0.04)
Tensile Strength @ 2% Strain ³	kN/m (lb/ft)	5.8 (400)	5.8 (400)
Ultimate Tensile Strength ³	kN/m (lb/ft)	19.0 (1,300)	19.0 (1,300)
STRUCTURAL INTEGRITY			
Junction Efficiency ⁴	%	90	
Junction Strength ⁴	N (lb)	580 (130)	
DURABILITY			
UV Stability (after 500 hours) ⁵	%	70	
DIMENSIONS AND DELIVERY			
<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 160 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. (a) Minimum average value; (b) Nominal dimensions.
3. Tensile strength is determined in accordance with ASTM D6637-01.
4. Load transfer capability determined in accordance with GRI-GG2-05.
5. Resistance to loss of load capacity or structural integrity when subjected to ultraviolet light and aggressive weathering.