

# Biaxial Geogrid GG 1100



KEYMAY 's Biaxial Geogrid is an integrally formed structure, which especially designed for soil stabilization and reinforcement application. KEYMAY's Biaxial Geogrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching.

KEYMAY's Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions. It makes soil reinforced with its excellent structure stability and strong mechanical interlock performance.

**APPLICATIONS**

- Base reinforcement
- Subgrade reinforcement
- Slope reinforcement
- Embankment stabilization

PROPERTIES	TEST METHOD	UNIT	MD Values	TD Values
<b>INDEX PROPERTIES</b>				
Polymer	-	-	PP	-
Minimum Carbon Black	ASTM D-4218	%	2	-
Tensile Strength @ 2% Strain	ASTM D-6637	KN/m (lb/ft)	4.1 (280)	6.6 (450)
Tensile Strength @ 5% Strain	ASTM D-6637	KN/m (lb/ft)	8.5 (580)	13.4 (920)
Ultimate Tensile Strength	ASTM D-6637	KN/m (lb/ft)	12.4 (849)	19.0 (1,300)
<b>STRUCTURAL INTEGRITY</b>				
Junction Efficiency	GRI GG2	%	93	93
Flexural Rigidity	ASTM D-7748	Mg-cm	250,000	-
Aperture Stability	ASTM D-7864	m-N/deg	0.32	-
<b>DIMENSIONS</b>				
Aperture Dimensions	-	mm (in)	26 (1.0)	34 (1.3)
Minimum Rib Thickness	ASTM D-1777	mm (in)	1.0 (0.04)	0.8 (0.03)
Roll Width	-	m (ft)	3.95 (12.9) or 5.95 (19.5)	-
Roll Length	-	m (ft)	75 (246)	-

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Keymay is a manufacturer of geosynthetic materials and equipment for pipeline, civil, and municipal construction. We support our customers with the provision of field service crews for buoyancy control weights, protective coating, and geotextile installation. We've built a reputation for innovation and customer service, and are deeply committed to the values of safety, quality, and integrity.

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