

RX 1100 BIAXIAL (PP) GEOGRIDS

Design and build with confidence; we empower you to achieve cost-effective, proven, engineered solutions. Fueled by an innovative spirit, our industry-leading technology solves the toughest soil stabilization, earth reinforcement, and site development challenges.

Biaxial geogrids are used in base reinforcement applications such as roads, storage yards, and parking lots. The reinforcing action lies mainly in increasing the shearing resistance within the soil by interlocking between the square ribs and the soil.

April 2023		RX 1100 Biaxial (PP) Geogrids	
Rev	Test Method		
Aperture Size Typical ²	Measured	25 mm x 33 mm	
Wide Width Tensile ^{3,4} MD/CD	ASTM D6637	12.4 kN/m / 19 kN/m	
Minimum Rib Thickness	Measured	1.0 mm / 0.8 mm	
Width of Rib	Measured	2.0 mm / 2.4 mm	
Strength @ 2% Strain ^{3,4} MD/CD	ASTM D6637	4.1 kN/m / 6.6 kN/m	
Strength @ 5% Strain ^{3,4} MD/CD	ASTM D6637	8.5 kN/m / 13.4 kN/m	
Junction Efficiency	GRI GG2	> 95 %	
Flexural Rigidity	ASTM D7748	250,000 mg-cm	
Aperture Stability	ASTM D7864	0.32 m-N/deg	
Resistance to UV Degradation ^{2,8,9}	ASTM D4355	100 %	
Roll Size		3.95 m x 75 m	
Roll Weight Typical		58 kg	

1. Carbon black content is 2% for high UV Resistance
 2. Geometric Properties are nominal values and may vary
 3. Mechanical Properties are based on Manufacturers Laboratory testing @ 21 +/- 1 Degree C
 4. Unless indicated otherwise, values shown are typical roll values
 7. Resistance to in plane rotational movement of 20 kg-cm
 8. 500 Hours of Exposure
 9. Expressed as a percentage of Ultimate Tensile Strength
 10. Using specimens 2 ribs wide with ribs transverse to specimen cut flush with the exterior edges of the ribs in the direction of the specimen
- Layfield reserves the right to change this product specification at any time. The user is responsible to verify use/reference of the latest Product Data Sheet.

Disclaimer: Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at www.LayfieldGroup.com