

Syntec Mining Geogrid MG 540

Syntec MG 540 is an integrally formed biaxial geogrid made from the highest quality polypropylene resin with a flame-retardant additive. Syntec MG geogrids offer an expedient and reliable solution to underground mining and tunnel applications that require roof and rib control, soft bottom reinforcement, or soil stabilization.



AT THE CORE:

A biaxial geogrid used in underground mining and tunnel applications.

Product Specifications

Index Property	Units	MD Values ⁽¹⁾	XMD Values ⁽¹⁾
Aperture Dimensions ⁽²⁾	mm (in)	35.0 (1.38)	35.0 (1.38)
Tensile Modulus @ 2% Strain ⁽³⁾	kN/m (lb/ft)	700 (48,000)	700 (48,000)
Tensile Modulus @ 5% Strain ⁽³⁾	kN/m (lb/ft)	560 (38,380)	560 (38,380)
Ultimate Tensile Strength ⁽³⁾	kN/m (lb/ft)	40.0 (2,740)	40.0 (2,740)
Colorant and UV Inhibitor Content	%	2.0 (White Color)	
Flammability Resistance	Units	Values	Values
Maximum Flame Propagation ⁽⁴⁾	m (ft)	1.2 (4.0)	1.2 (4.0)
Average Duration of Burning for Test Set ⁽⁴⁾	minute	1.0 (max)	1.0 (max)
Maximum Duration of Burning for Single Test ⁽⁴⁾	minute	2.0	2.0
Roll Dimensions and Delivery			
The biaxial geogrid shall be delivered to the job site in roll form with each roll individually identified and nominally measuring from 1.5 m (5.0 ft) to 4.5 m (14.7 ft) in width and up to 56.0 m (184 ft) in length.			

NOTES:

- ⁽¹⁾ Unless indicated otherwise, values shown are minimum or minimum average roll values determined in accordance with ASTM D4759-02.
- ⁽²⁾ Nominal dimensions.
- ⁽³⁾ Resistance to elongation when subjected to a load determined in accordance with ASTM D6637-01.
- ⁽⁴⁾ Flammability resistance determined from vertical and horizontal flame tests in accordance with 30 CFR, Part 7, Subchapter B and ASTP5011 - Standardized Small Scale Flame Test Procedure for the Acceptance of Roof-Rib Grid.

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We've built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.



[DURABILITY RUNS DEEP] For more information on this product and others, please visit us at GSEworld.com, call 800.435.2008 or contact your local sales office.