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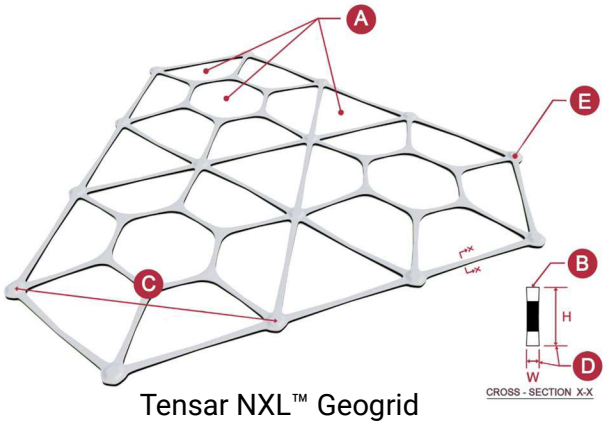
PRODUCT IDENTIFICATION DATA SHEET

InterAx™ NXL™ Geogrid



Tensar NXL™ Geogrid
Plan View

GENERAL

1. The geogrid is manufactured from a coextruded, composite polymer sheet, which is then punched and oriented. The resulting structure consists of continuous and non-continuous ribs forming three aperture geometries (hexagon, trapezoid, and triangle) and an unimpeded suspended hexagon.
2. The following properties are intended for product identification:

Identification Properties[1]	General
Structure	Coextruded & Integrally Formed
Aperture Shape - A	Hexagonal, Trapezoidal, & Triangular
Rib Shape - B	Rectangular
Continuous Parallel Rib Pitch[2] - C, in (mm)	4.7 (120)
Rib Aspect Ratio[3] - D	> 1.0
Node Thickness[2] - E, in (mm)	0.19 (4.75)
Color Identification	White/Black/White
Product EPD Certification[4]	EN 15804 +A2:2019
Durability Properties	
Resistance to Chemical Degradation[5]	100%
Resistance to Ultraviolet Light and Weathering[6]	90%

DIMENSIONS AND DELIVERY

1. The geogrid shall be delivered to the jobsite in roll form, each clearly labeled, as shown below:

Property	Standard Width Roll	
Roll Width[2], ft (m)	12.5	(3.8)
Roll Length[2], ft (m)	164	(50)
Roll Area, sy[2] (m^2)	228	(190)
Roll Diameter[7], in. (mm)	18	(453)
Roll Weight lbs[7]. (Kgs)	145	(66)
Approx. Rolls per Full-Truck	Min: 92	Max: 100

PERFORMANCE COMPARISON

The product properties shown above are intended for product identification, Quality Assurance (QA), and Quality Control (QC) purposes only. These properties are not use in any geogrid mechanical stabilization design methodologies or performance assessment and, as such, should not be evaluated or used in isolation. In order to compare the performance of different types of geogrids, performance validation data from full-scale trafficking testing must be used, as outlined in AASHTO R50-09 and other industry accepted geogrid mechanical stabilization design methodologies.

Tensar reserves the right to change its Product Identification Data Sheet at any time. It is the responsibility of the person specifying the use of this product and of the purchaser to ensure that Product Identification Data Sheet relied upon for procurement purposes are current and that the product is suitable for its intended use in each instance.

NOTES

1. Unless indicated otherwise, values are minimum average roll values in accordance with ASTM D4759-02
2. Nominal dimensions
3. Ratio of the mid-rib height to the mid-rib width
4. Independently verified in accordance with ISO 14025:2006, ISO 14044:2006, and EN 15804:2019+A2.
5. Resistance to loss of load capacity or structural integrity when subjected to chemically aggressive environments in accordance with EPA 9090 immersion testing
6. Resistance to loss of load capacity or structural integrity when subjected to 500 hours of ultraviolet light and aggressive weathering in accordance with ASTM D4355
7. Maximum Average Roll Value (MaxARV)

This product has been tested for quality control purposes in a GAI-LAP accredited laboratory and its EPD has been certified by UL Environment.

GAI-LAP Accreditation No.: GAI –LAP – 72 – 12

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