

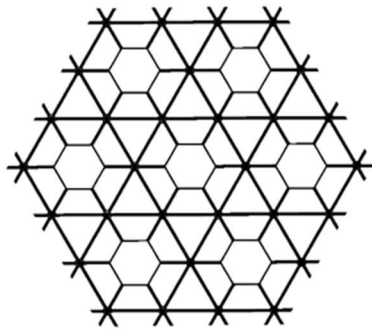
**Product Data Sheet**  
**InterAx™ FilterGrid™ NX650-FG™**

Tensor reserves the right to change its product specifications at any time. It is the responsibility of the person specifying the use of this product and of the purchaser to ensure that product specifications relied upon for design or procurement purposes are current and that the product is suitable for its intended use in each instance.

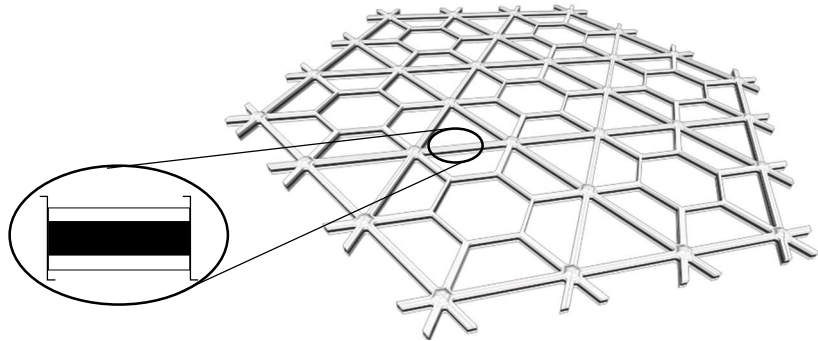
InterAx™ FilterGrid™ is a composite geosynthetic consisting of InterAx geogrid bonded to a nonwoven geotextile. This product combines the most advanced InterAx geogrid technology with the added functionality of a nonwoven geotextile where site conditions require additional filtration and/or separation.

**General**

- 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.



Tensor NX650 Geogrid  
Plan View



Tensor NX650 Geogrid  
Perspective View

- The following properties are intended for product identification:

Identification Properties <sup>(1)</sup>	General
▪ Aperture Shapes	Hexagonal, Trapezoidal, & Triangular
▪ Structure	Coextruded & Integrally Formed
▪ Rib Shape	Rectangular
▪ Continuous Parallel Rib Pitch <sup>(2)</sup> , mm (in)	80 (3.2)
▪ Rib Aspect Ratio <sup>(3)</sup>	> 1.0
▪ Node Thickness <sup>(2)</sup> , mm (in)	3.25 (0.13)
▪ Color Identification	White / Black / White

- The needle punched nonwoven geotextile (nominal 6 oz/sy) is thermally bonded to the geogrid and is manufactured at a NTPEP audited facility. The geotextile shall have the following properties:

Identification Properties - Geotextile	Test Method	English (MARV <sup>2</sup> )	Metric (MARV <sup>2</sup> )
▪ Grab Tensile Strength	ASTM D 4632	160 lbs.	0.711 kN
▪ Grab Elongation	ASTM D 4632	50%	50%
▪ Trapezoid Tear Strength	ASTM D 4533	60 lbs.	0.267 kN
▪ CBR Puncture Resistance	ASTM D 6241	410 lbs.	1.823 kN
▪ Permittivity	ASTM D 4491	1.5 sec <sup>-1</sup>	1.5 sec <sup>-1</sup>
▪ Water Flow	ASTM D 4491	110 gpm/ft <sup>2</sup>	4480 l/min/m <sup>2</sup>

Identification Properties - Geotextile	Test Method	English (MARV <sup>2</sup> )	Metric (MARV <sup>2</sup> )
▪ Apparent Opening Size (AOS)	ASTM D 4751	70 Std. U.S.	0.212 mm
▪ UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

## Dimensions and Delivery

The geogrid shall be delivered to the jobsite in roll form with each roll individually identified. Rolls are shipped with nominal measurements.

## 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 to the mid-rib width