



Product Specification

InterAx™ FilterGrid™ NX750-FG Geogrid

Tensar International Corporation 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 a nonwoven geotextile bonded to Tensar InterAx geogrid. This product combines the most advanced InterAx geogrid technology with the added functionality of a geotextile for applications where site conditions require additional filtration and/or separation.

General

- The needle punched nonwoven geotextile (nominal 6 oz/sy) is thermally bonded to the geogrid and is manufactured at a NTPEP audited facility.
- 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.
- The associated characteristics for the Tensar InterAx FilterGrid geogrid are included below:

NX750-FG Properties	Test/Measurement Method	General
Aperture shapes		Hexagonal, Trapezoidal, & Triangular
Structure		Coextruded & Integrally Formed
Rib shape		Rectangular
Continuous parallel rib pitch	Nominal	80 mm (3.2 in)
Rib aspect ratio ²		> 1.0
Node thickness	Nominal	3.5 mm (0.14 in)
Color identification		White / Black / White

SGS_PS

Notes

- Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02
- Ratio of the mid-rib depth to the mid-rib width

Geotextile Properties	Test Method	English (MARV)	Metric (MARV)
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 ⁻¹	1.5 sec ⁻¹
Water Flow	ASTM D 4491	110 GPM/ft ²	4480 l/min/m ²
Apparent Opening Size (AOS)	ASTM D 4751	70 Std. U.S. Sieve	0.212 mm
UV Resistance	ASTM D 4355	70%/500 hrs	70%/500 hrs

SGS_PS

Dimensions and Delivery

The geogrid shall be delivered to the jobsite in roll form with each roll individually identified and nominally measuring 3.8 meters (12.5 feet) in width by 60 meters (197 feet) in length.

Tensar International Corporation
 2500 Northwinds Pkwy., Ste. 500
 Atlanta, Georgia 30009
 Phone: 800-TENSAR-1
 www.tensarcorp.com

This specification supersedes any and all prior specifications for the product designated above and is not applicable to any product shipped prior to March 1, 2021. Tensar, TriAx, and InterAx are trademarks of Tensar International Corporation or its affiliates in the US and many other countries. TriAx® geogrid and the use thereof are protected by U.S. Patent No. 7,001,112. Patents or patent applications also exist in other countries. Final determination of the suitability of the above-mentioned information or product for the use contemplated, and its manner of use are the sole responsibility of the user. Tensar International Corporation disclaims any and all express, implied or statutory warranties, including but not limited to, any warranty of merchantability or fitness for a particular purpose regarding this product or the Company's other products, technologies or services. The information contained herein does not constitute engineering advice. (04.21)