



Product Specification

InterAx™ FilterGrid™ NX850-FG Geogrid

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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

1. The needle punched nonwoven geotextile (nominal 6 oz/sy) is thermally bonded to the geogrid and is manufactured at a NTPEP audited facility.
2. 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.
3. The associated characteristics for the Tensar InterAx FilterGrid geogrid are included below:

| NX850-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 | 4.5 mm (0.18 in) |
| Color identification | | White / Black / White |

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Notes

1. Unless indicated otherwise, values shown are minimum average roll values determined in accordance with ASTM D4759-02
2. 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 |

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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.

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