

Knit Gold Antenna Mesh



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PARTNERS FROM INSPIRATION TO REALIZATION

Secant Group's Technical Materials Division specializes in knit gold molybdenum antenna mesh that facilitates the expansion of large and small satellite deployment.

Whether off-the-shelf or custom-manufactured, Secant Group's textile components are designed to improve the reliability and performance of your aerospace applications, no matter how much or how little you need.

With unmatched expertise in engineering aerospace textiles and materials, Secant Group is one of the few textile suppliers that knits gold-plated wire into antenna mesh. This next-generation material can operate between S-band and Ka-band frequencies in the most challenging space environments.

All our products are manufactured in our ITAR-compliant facility and can be cut and packaged to your specifications.

Customization options include:

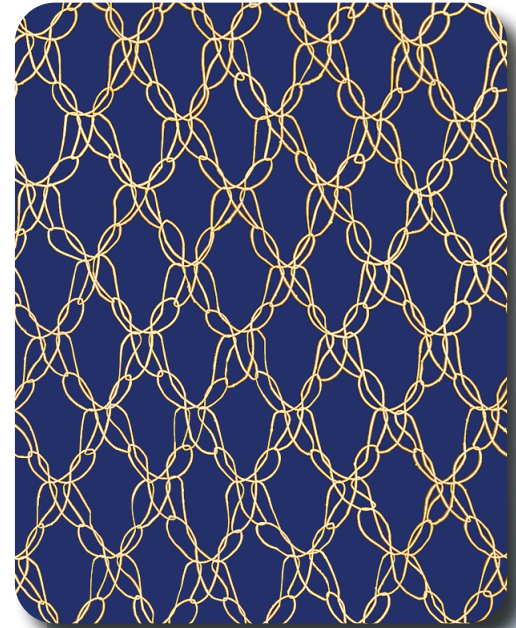
- Openings per inch (OPI) at 10, 20, 30, or 40
- Available width of up to 130 inches
- Continuous length of up to 2000 inches
- Gold-plated molybdenum wire sizes ranging from 0.8 mil to 1.2 mil

Key Features

- Knit on state-of-the-art equipment that eliminates delamination and wire breaks
- Higher tolerance variability
- Lightweight
- Compact

Antenna Mesh Widths (Measured at Needle Bar)

- 7 to 130 in. without polyethylene terephthalate (PET) selvages
- 7 to 126 in. with PET selvages



From Practically Impossible to Practical Reality

To learn more about Secant Group's leading capabilities in space, energy, filtration, and other industrial markets, please visit

***[secant.com/
technicalmaterials](http://secant.com/technicalmaterials)***

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