

Carbon Nanotubes



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PARTNERS FROM INSPIRATION TO REALIZATION

Secant Group's Technical Materials Division designs and manufactures next-generation carbon nanotube fabrics that excel at operating in the extreme environments of space.

Whether you need an antenna reflector that emits strong, clear radio signals or material that absorbs light and reduces reflections that can cause interference, Secant Group's carbon nanotubes are the optimal choice for several applications, including:

- Antennas for satellite missions that demand high-frequency communication
- Satellites for ground communication and common orbits
- EMI shielding for reducing electromagnetic fields
- Thermal shielding for preventing objects from overheating

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
- Flat width of up to 84 in.
- Continuous length of up to 40 yd.
- Produce R&D prototypes and test data from a single spool of yarn or wire

Key Features:

- Tunable reflectivity
- High tensile strength
- Stretch-resistant
- Lightweight



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

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technicalmaterials.***

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