

# Carbon Nanotubes

Solexis designs and manufactures next-generation fabrics for carbon nanotubes 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, Solexis' fabrics for 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

## 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
- Cut and packaged to your specifications

## Key Product Features:

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



## Ready to Initiate Your Next Aerospace Innovation?

With decades of expertise in materials science, Solexis can help you solve your performance materials challenges with custom textile and polymer solutions.

Learn more at [solexis.com/performance-materials/aerospace](https://solexis.com/performance-materials/aerospace).

For more information, contact us at [solexis.com/contact](https://solexis.com/contact).

