

# POLYIMIDE TUBING CAPABILITIES

Polyimide is a thermoset tubing material. Polyimide tubing features:

- Very thin wall thickness
- Tight-tolerance inner and outer diameters
- Outstanding electrical insulation properties
- Stiffness and column strength as required
- Ability to withstand very high temperatures

Polyimide tubing is ideal for medical device applications including:

- Cardiovascular, peripheral, and neurological catheters
- Urological retrieval devices
- Electrical insulation
- Fiber optics
- Intravascular drug delivery
- Gastrointestinal devices



## READY-TO-SHIP TUBING SPEEDS PRODUCT DEVELOPMENT & SAVES COSTS

Our online offering of polyimide tubing helps you speed product development timelines by avoiding the wait for price quotes and long lead times. You have quick and easy access to a full range of polyimide tubing products available for immediate shipment, with non-stock items delivered in as little as two weeks. And with very low minimum orders, you save costs by ordering only what you need.

Polyimide tubing is available online in more than 250 configurations:



**INNER DIAMETER (ID) RANGE:**  
0.004" - 0.080" (in 0.001" increments)



**WALL THICKNESSES:**  
thin and ultra thin

**GO TO OUR ONLINE STORE TO ORDER YOUR TUBING TODAY.**

## ADDITIONAL CAPABILITIES

### CUSTOM POLYIMIDE TUBING

We offer a wide range of polyimide tubing, manufactured to your specifications:

- ID range: 0.004" - 0.085"
- Wall thickness range: 0.0005" - 0.010"
- Available in amber, red, yellow, black, and green
- Quick turn: available in as little as 2 weeks

### BRAID-REINFORCED TUBING

Braided tubing adds the strength of stainless steel or other materials, for:

- Excellent torque at higher pick counts
- Improved hoop strength
- Improved tensile strength at lower pick counts

### CUSTOM COMPOSITE TUBING

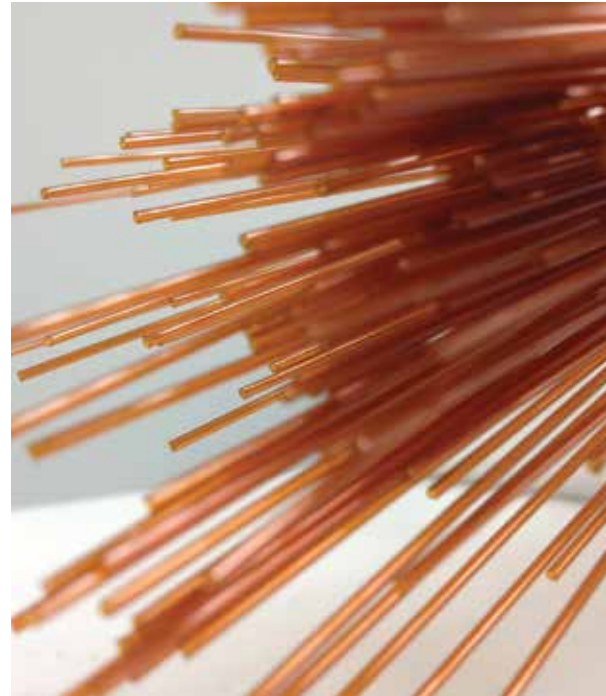
Composite tubing comprises multiple polymers that can be blended, braided, or layered to provide performance characteristics including:

- Low-friction layer inside or outside
- Fusible thermoplastic outer layer
- Improved kink radius
- Excellent torque when braided

We offer more than 80 layer combinations, with multiple materials including PTFE, Nylon, PEBA<sup>®</sup>, Polyurethane, Polyphenylsulfone, and Polyimide, as well as braiding.

### PRECISION WIRE COATINGS

We can insulate any wire material with polyimide to give high dielectric strength with precision tolerances.



Vention Medical is an industry leader in medical tubing, offering single-lumen, multi-lumen, coextruded, polyimide, composite, multi-layer, braided, and coil-reinforced tubing.

**VENTION**<sup>®</sup>  
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