

1/32" OD Flexible Fused Silica Capillary Tubing

• TSP: Standard Polyimide Coating

Standard Capillary Tubing Sizes

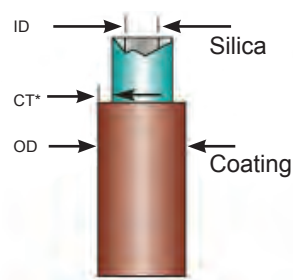
Product Descriptor	ID μm	OD μm	CT* μm
TSP050794	050 $\pm$ 3	794 $\pm$ 12	24
TSP075794	075 $\pm$ 3	794 $\pm$ 12	24
TSP100794	100 $\pm$ 4	794 $\pm$ 12	24
TSP200794	200 $\pm$ 6	794 $\pm$ 12	24
TSP250794	250 $\pm$ 6	794 $\pm$ 12	24
TSP300794	300 $\pm$ 6	794 $\pm$ 12	24
TSP400794	400 $\pm$ 6	794 $\pm$ 12	24
TSP500794	500 $\pm$ 6	794 $\pm$ 12	24

* CT is Coating Thickness per side; value is nominal.

Polymicro Technologies offers a line of 1/32" OD capillary tubing with our proven, durable, polyimide coating.

This line was designed specifically to allow for easy interfacing to existing 1/32" fitting technologies without the need for polymeric tubing sleeves. These products give the user added strength and improved performance in packed capillary liquid chromatography columns, thereby eliminating the need to employ thin walled gas chromatography tubing as the column substrate. The improved fit between the capillary tubing and the mating fitting will reduce unwanted dead volumes, minimizing unwanted contributions to band broadening. The product is an excellent alternative to the more expensive, difficult to cut, hard polymer jacketed capillary. As with all Polymicro capillary products, it can be used across a broad range of other applications and markets.

Eight standard sizes are available, all with a common OD of 1/32" (794 μm). ID's vary from 50 μm up to 500 μm and are held to market leading tolerances. Custom sizes of 1/32" OD capillary tubing can be produced upon request. Polymicro can provide precision cleaved pieces to minimize dead volumes in your chromatographic application; see our TSPC line of precision cleaved 1/32" OD capillary tubing pieces and get started today. Contact our Technical Sales department to discuss your exact application requirements.



TSP Characteristics

- Standard polyimide coating
- Synthetic fused silica
- 100% proof tested for strength
- Operation up to 350°C

Key Product Advantages

- 1/32" OD provides easy interface to existing fitting technologies
- Thick wall provides added mechanical strength during and after column packing
- Durable polyimide provides good chemical and abrasion resistance
- Easily cleaved to any desired length



Explore Our Other Unique Capillary Products and Capabilities

Custom ID & OD sizes and tolerances
Internal and external coatings
Shaped cross-sectional geometries
Precision cleaving
Laser cutting
Windowing
Custom arrays and assemblies

Product Catalog Available Online

Polymicro's product catalog reviews the history, production, and properties of quartz and silica, as well as detailed product information and datasheets in PDF format for your convenience. Go to www.polymicro.com to see how our capillary tubing products can address your application needs.

Thick Wall Flexible Fused Silica Capillary Tubing

• TSP: Standard Polyimide Coating

Standard Capillary Tubing Sizes

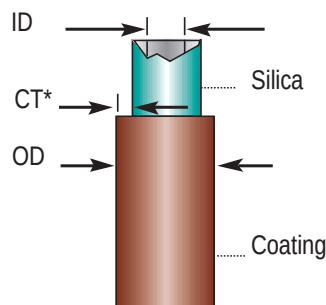
Product Descriptor	ID μm	OD μm	CT* μm
TSP150665	150 $\pm$ 6	665 $\pm$ 15	24
TSP200665	200 $\pm$ 6	665 $\pm$ 15	24
TSP250665	250 $\pm$ 6	665 $\pm$ 15	24
TSP300665	300 $\pm$ 6	665 $\pm$ 15	24

* CT is Coating Thickness per side; value is nominal.

Polymicro Technologies offers a line of thick walled capillary tubing with our proven, durable, polyimide coating.

This line was designed specifically to give the user added strength and improved performance in packed capillary liquid chromatography columns, thereby eliminating the need to employ thin walled gas chromatography tubing as the column substrate. The product is an excellent alternative to the more expensive, difficult to cut, PEEK jacketed capillary. As with all Polymicro capillary products, it can be used across a broad range of other applications and markets.

Four standard sizes, all with a common OD of 665 μm . ID's vary from 150 μm up to 300 μm . Custom sizes of thick wall tubing can be produced. Polymicro can provide precision cleaved pieces to minimize dead volumes in your chromatographic application. Contact our Technical Sales department to discuss your exact application requirements.

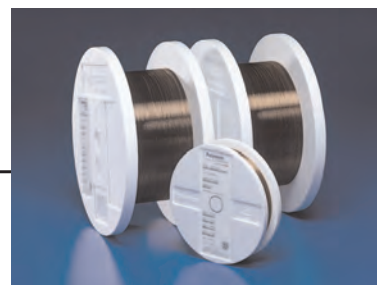


TSP Characteristics

- Standard polyimide coating
- Synthetic fused silica
- 100% proof tested for strength
- Operation up to 350°C

Key Product Advantages

- Thick wall provides added mechanical strength during and after column packing.
- Exacting ID tolerances minimize column-to-column variations.
- Durable polyimide provides good chemical and abrasion resistance.
- Easily cleaved to any desired length.



Explore Our Other Unique Capillary Products and Capabilities

- Custom ID & OD sizes and tolerances
- Internal and external coatings
- Shaped cross-sectional geometries
- Precision cleaving
- Laser cutting
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