

# 1/32" OD Flexible Fused Silica Capillary Tubing

## • TSP: Standard Polyimide Coating

### Standard Capillary Tubing Sizes

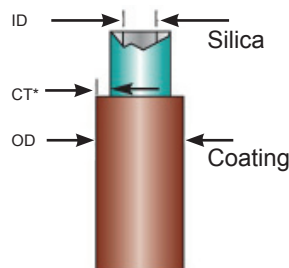
Product Descriptor	ID $\mu\text{m}$	OD $\mu\text{m}$	CT* $\mu\text{m}$
TSP050794	050 $\pm$ 3	794 $\pm$ 12	24
TSP075794	075 $\pm$ 3	794 $\pm$ 12	24
TSP100794	100 $\pm$ 4	794 $\pm$ 12	24
TSP200794	200 $\pm$ 6	794 $\pm$ 12	24
TSP250794	250 $\pm$ 6	794 $\pm$ 12	24
TSP300794	300 $\pm$ 6	794 $\pm$ 12	24
TSP400794	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 $\mu\text{m}$ ). ID's vary from 50 $\mu\text{m}$  up to 500 $\mu\text{m}$  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.

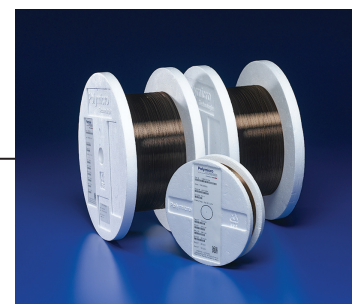


### TSP Characteristics

- 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](http://www.polymicro.com) to see how our capillary tubing products can address your application needs.