

# Flexible Fused Silica Capillary Tubing

- TSU: Deep-UV Transparent Coating

## TSU Standard Products

Product Descriptor	ID $\mu\text{m}$	OD $\mu\text{m}$	CT* $\mu\text{m}$
TSU050375	050 $\pm$ 03	363 $\pm$ 10	15
TSU075375	075 $\pm$ 03	363 $\pm$ 10	15
TSU100375	100 $\pm$ 04	363 $\pm$ 10	15

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

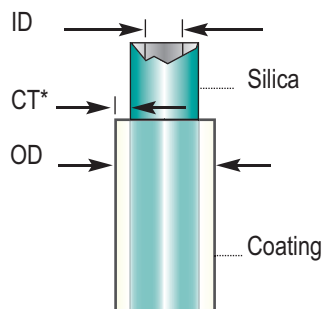
Polymicro Technologies' TSU series is a Deep-UV transparent capillary tubing product line. This tubing is made with a Teflon<sup>®</sup>AF Fluoro-polymer external coating giving it a number of unique characteristics.

The TSU capillary series was designed specifically to give the user added value by employing a low refractive index, Deep-UV transparent coating. The transmission of this unique coating at 214nm is typically greater than 90%. These transmission characteristics make this tubing an excellent choice for photo-initiated, monolithic LC columns. Further, fluorescence detection within the capillary is routinely practiced due to the ultra-low background fluorescence of the coating. The hydrophobic nature of the Fluoro-polymer is particularly useful in spotting and nebulization applications. As with all Polymicro capillary products, it can be used across a broad range of applications and markets.

Custom sizes can be produced. Contact our Technical Sales department to discuss your exact application requirements.

## Online Ordering

The above TSU standard products are available for immediate online ordering in quantities of 10m, 25m, or 50m. Go to [www.polymicro.com](http://www.polymicro.com) to buy your capillary tubing today.



## TSU Characteristics

- ◀ Deep-UV transparent coating
- ◀ Synthetic fused silica
- ◀ Operation up to 160°C
- ◀ Ultra-low fluorescence background
- ◀ Easily removed with Fluorinert<sup>®</sup>

## TSU Product Options

- ◀ Custom ID & OD sizes
- ◀ Custom internal coatings
- ◀ Precision cleaved pieces



## Explore Our Other Unique Capillary Products and Capabilities

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

## Product Catalog Available Online

Polymicro Technologies' 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.

Teflon<sup>®</sup> AF is a trademark of E.I. du Pont de Nemours and Company  
Fluorinert<sup>®</sup> is a trademark of E.I. du Pont de Nemours and Company

- Flexible Capillary
- Multimode Optical Fiber
- Specialty Assemblies
- Micro-Components

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