

## Tubing | Fused Silica

Precision Tubing for Performance

Coated fused silica tubing exhibits excellent flexibility, chemical stability, tensile strength and exacting tolerances making it the tubing of choice for GC capillary applications, LC tubing and other micro tubing requirements.



### Features and benefits

- High homogeneity.
- 100% proof tested for strength.
- Excellent resistance to thermal shock.
- Chemical inertness.
- Standard polyimide temperature resistance to +380 °C - equivalent to other high temperature polyimides.
- Polyimide coating is chemically resistant.
- Low dielectric constant, low dielectric loss.
- Impermeable to all gases (except H<sub>2</sub>, He).
- Free of thermal hysteresis.
- Low weight loss (below devitrification temperature).
- Optical properties of uncoated - transparent above 180 nm.
- High intrinsic tensile strength.
- Uncoated, temperature resistant to 1000 °C.
- Pressure resistant to 1000 bar.
- Very low thermal expansion.
- Internal surface modification is available.

### Recommended Applications

- Capillary GC.
- HPLC.
- Bioanalytical.
- High temperature GC.

Avoid use with hydrofluoric or phosphoric acids, alkalis and alkali-metalized compounds as dissolution of silica glass and surface devitrification may occur.

### Product specifications

ID	OD	Iron	Lithium	Sodium	Potassium	Magnesium	Manganese	Titanium	Chlorine	Zirconium
25 µm ± 1 µm	360 µm ± 15 µm	< 8 ppb	< 10 ppb	< 8 ppb	< 10 ppb	< 10 ppb	< 5 ppb	< 10 ppb	0 ppb	< 10 ppb
50 µm ± 3 µm	430 µm ± 20 µm									
75 µm ± 3 µm	680 µm ± 25 µm									
100 µm ± 3 µm										
150 µm ± 3 µm										
220 µm ± 5 µm										
250 µm ± 5 µm										
320 µm ± 5 µm										
530 µm ± 10 µm										

For more information about this product visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)