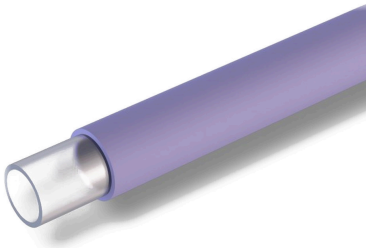


TOP® Capillary Flexible Quartz Capillary

Specification Datasheet · TopRays Optical Fiber

TOPRAYS introduces an innovative flexible quartz capillary that sets an industry benchmark with a temperature resistance of up to 400 °C. It offers excellent tensile strength and pressure resistance and suits a wide range of applications, from gas chromatography to electrophoresis. Our high-quality capillaries are available in multiple sizes and can be custom-designed to your requirements.



Technical Parameters

Parameter	Value
Inner Diameter	> 2 to 2500 μm
Wall Thickness	> 10 μm to 1 mm
End-face Treatment	Cut or polished
Diameter Tolerance	Up to ± 5 %

Applications

Commonly used in gas chromatography, liquid chromatography, electrophoresis, precision casting inserts and other applications.

Advantages

- High tensile strength (> 600 kpsi)
- Temperature resistance up to 400 °C
- Pressure resistance up to 4500 psi
- Polyimide coating, resistant to chemical corrosion
- Smooth inner surface
- Pure synthetic fused silica
- High OH content, facilitating surface bonding with siloxanes
- Standard proof test: 100 kpsi
- Intrinsic strength > 600 kpsi

Structure

Pure synthetic fused silica tube · polyimide protective coating