

TECHNICAL OVERVIEW

Spectral Range

200–2000 nm

Core Diameter

100–800 μm, standard 200 μm

Core / Cladding Ratio

Standard 1:1.06–1:1.4
or customized upon request

Numerical Aperture

0.12 ±0.02
0.22 ±0.02
0.28 ±0.02
or customized upon request

OH Content

~ 5 ppm

Operating Temperature

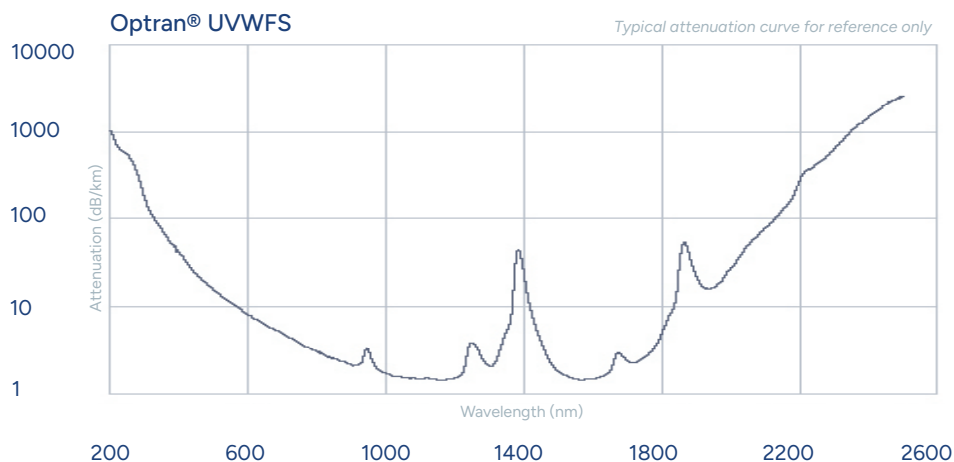
-190 °C to +350 °C

Standard Proof Test

70 kpsi

Broadband All-Silica Fiber for UV–VIS–NIR Transmission

Optran® UVWFS is an all-silica fiber designed for broadband transmission from the deep UV to the near-infrared. The low-OH silica core and fluorine-doped silica cladding enable low attenuation across a broad spectral range, making this fiber well suited for multi-wavelength systems and spectroscopy applications.



PERFORMANCE & INTEGRATION NOTES

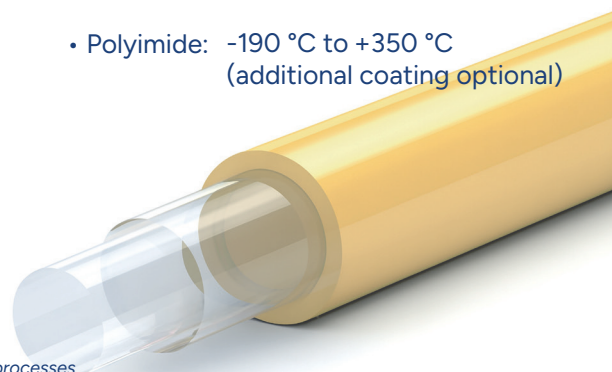
- Low-OH silica core enables low attenuation from UV to NIR
- All-silica design supports high-temperature operation
- Broad spectral coverage enables multi-wavelength transmission
- Standard broadband solution for flexible spectral applications

APPLICATIONS

- Spectroscopy
- Broadband Sensing
- Astronomy Instrumentation
- Aerospace and Avionics
- Multi-Wavelength Systems

AVAILABLE JACKETS

- Polyimide: -190 °C to +350 °C
(additional coating optional)



*In-house preform production and controlled drawing processes.
Reproducible optical and mechanical properties across production batches.*

*Additional specifications, reference data and project-specific qualification information available upon consultation.
Product specifications are subject to change without notice.*