

**FSU: High -OH**  
**FLU: Low -OH**  
**Ultra High NA**

This fiber configuration was designed for users who need a pure synthetic fused silica core fiber combined with an ultra high numerical aperture (NA). This Polymicro manufactured fiber can be supplied with various buffers and/or jackets. Core sizes range from 125µm to over 760µm. This fiber has the best combination of ultra high NA, high strength and wide band spectral transmission. The high spectral fidelity in the visible (no yellowing of source color) makes it the perfect replacement for borosilicate fibers where "white" light is needed.

**CHARACTERISTICS**

Step index

Numerical aperture: 0.66  
 full acceptance cone: 82.6  
 degrees

UV-Vis-NIR transmission

FSU: High -OH silica core, Teflon®  
 AF clad

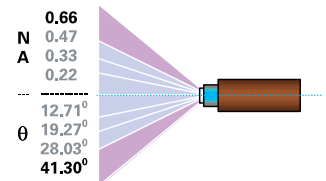
FLU: Low -OH silica core, Teflon®  
 AF clad to 100kpsi

Silicone or acrylate buffer  
 recommended

Optional FEP/ETFE jacketing available

Operating temperature:  
 -10° to +160°C

**Polymicro**  
**SILICA/TEFLON®**  
**AF CLAD Optical**  
**Fiber FSU | FLU**

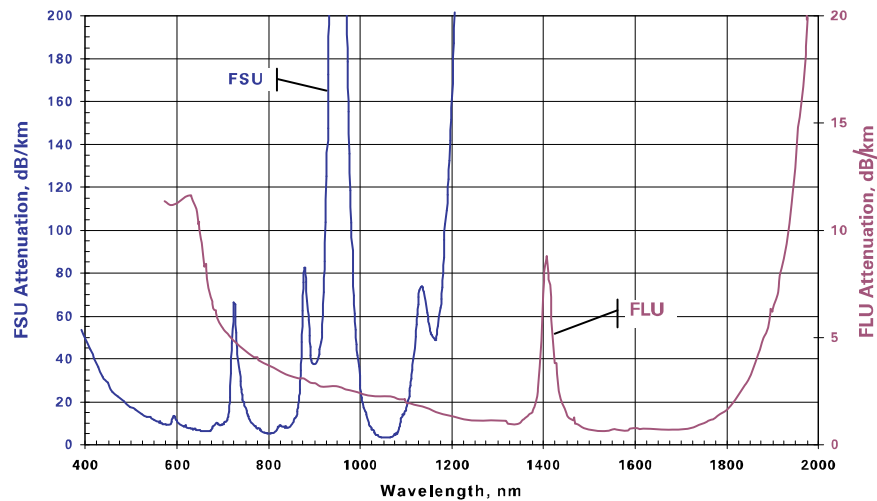


Sterilizable\*

Proof tested at 100kpsi

Custom sizes and assemblies

**Typical Attenuation**



\* The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.

SEE FSU/FLU Licensing TERMS

Teflon® is a registered trademark of DuPont Corporation.

**Polymicro  
SILICA/TEFLON®  
AF CLAD Optical  
Fiber FSU | FLU****IMPORTANT****FSU/FLU LICENSE TERMS**

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1. Delivery of light for inducing chemical changes in materials
2. Illumination for entertainment and architectural lighting
3. Delivery of light for use in projection television
4. Sensors for industrial and medical detection and monitoring equipment

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3. Cutting, coagulation, and welding of biological tissue with non-laser light
4. Activation of drugs and other medical substances with non-laser light
5. Medical diagnostics involving excitation and detection of drugs and chemical substances with non-laser light.

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