

SILICA/TEFLON® AF CLAD Optical Fiber

FSU

Fibers

- FSU: High -OH
- FLU: Low -OH

- Ultra High NA

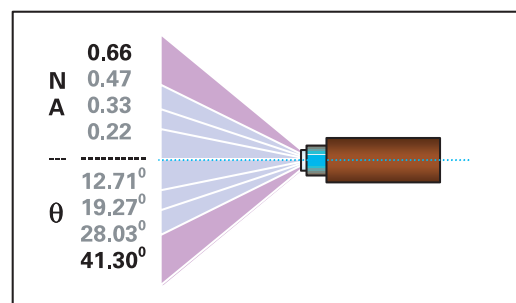
FLU

Characteristics

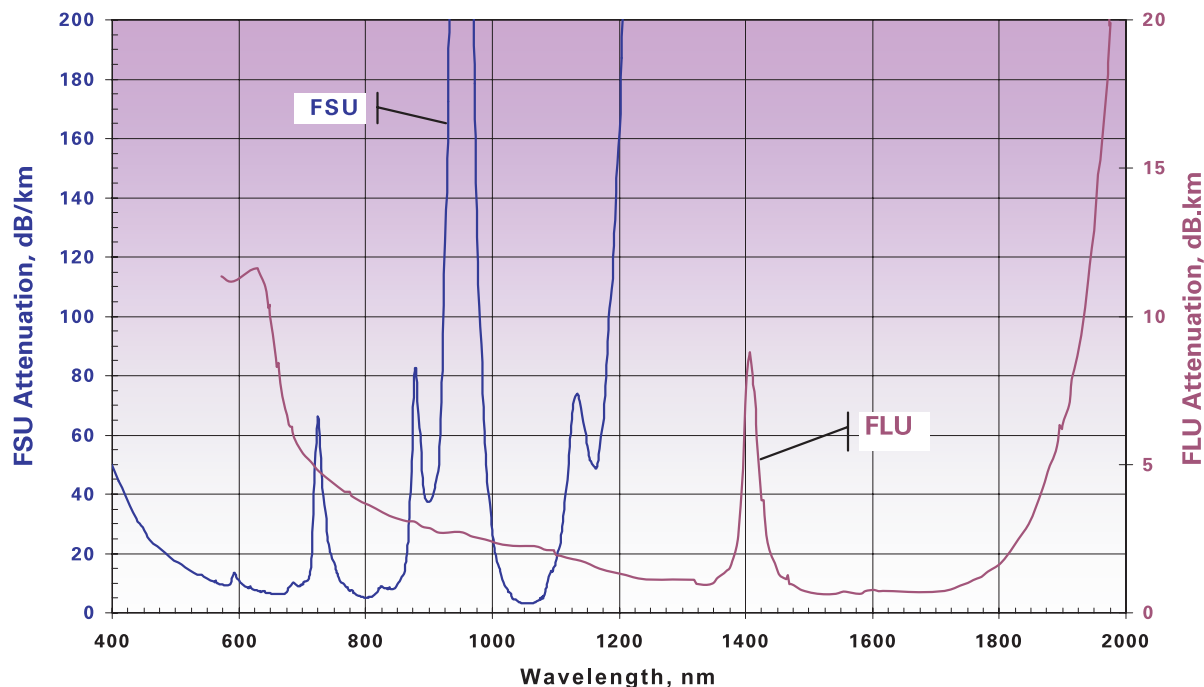
- Step Index
- Numerical Aperture: 0.66
Full Acceptance Cone: 82.6 degrees
- UV-Vis-NIR Transmission
- Optional FEP/ETFE Jacketing Available
- Custom Sizes and Assemblies
- FSU: High -OH Silica Core, Teflon® AF Clad
- FLU: Low -OH Silica Core, Teflon® AF Clad
- Operating Temperature: -10°C to +160°C
- Sterilizable*
- Proof Tested at 100kpsi
- Silicone or Acrylate Buffer Recommended

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

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.



Typical Attenuation



SEE FSU/FLU Licensing TERMS

Teflon® is a registered trademark of DuPont Corporation.



QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV

ISO 9001:2000

18019 N. 25th Avenue • Phoenix, AZ 85023-1200
Voice: (602) 375-4100 Fax: (602) 375-4110
E-Mail: sales@polymicro.com
URL: <http://www.polymicro.com>

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

IMPORTANT

FSU/FLU LICENSE TERMS

Polymicro Technologies (PT) has a non-exclusive license for U.S. Patents 4,530,569 and 5,076,659 of the DuPont Company. Product is sold for use in the following applications:

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

A license must be obtained from the DuPont Company for product use in any medical detection and monitoring equipment intended to be inserted, either temporarily or permanently, into human or animal body. Small quantities can be sold for product development.

Specifically excluded from the non-exclusive license is the manufacture, sale, and distribution of this fiber optic for use in the areas listed below. Use of the fiber optic for use in these applications is an infringement of an exclusive license with the DuPont Company.

1. Medical illumination
2. Industrial illumination of boroscopes and fiberscopes
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.

The Product is excluded from export to the following countries: Albania, Bulgaria, Cambodia, Cuba, the Czech Republic, Slovakia, Estonia, Hungary, Iran, Iraq, Laos, Latvia, Libya, Lithuania, Mongolian Peoples Republic, North Korea, The People's Republic of China, Poland, Romania, the former Republics of the Union of Soviet Socialist Republics, and Vietnam, unless and until the Export Administration Regulation of the U.S. Department of Commerce explicitly permit the reexport of the Office of Export Licensing of the U.S. Department of Commerce first grants authorization in writing to permit the re-exports.

PT makes no warranties, expressed or implied, concerning its product, including any implied warranty that its products are merchantable or suitable for their intended purposes, except as set forth in PT's standard warranty. Persons intending to evaluate or use this product for medical purposes must rely on their own medical and legal judgement without any representation on PT's part.



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