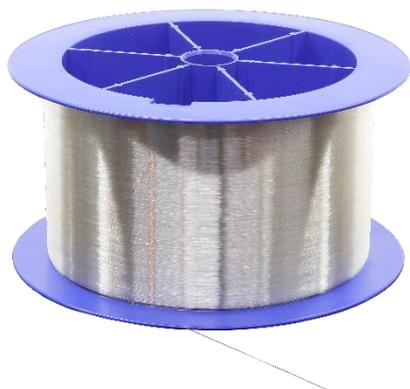




Yb401

Yb-Doped Single Clad Fiber

The Yb401 is a single-clad and truly single-mode fiber featuring a 6.0 μm MFD @ 1060 nm, a core absorption of 140 dB/m @ 915 nm and low photodarkening core chemistry. This fiber is well adapted for low power lasers and amplifiers using single-mode laser diode pumps. The Yb401 is a low-photodarkening drop-in equivalent of the Yb501 fiber.



TYPICAL APPLICATIONS

- Low power lasers
- Amplifiers using single-mode laser diode pumps

OPTICAL PROPERTIES	
Core NA	0.14 \pm 0.02
Mode field diameter @1060 nm	6.0 \pm 1.0
LP ₁₁ cut-off wavelength	800 - 900 nm
Core absorption @ 915 nm	140 \pm 25 dB/m
Nominal core absorption @ 975 nm	600 dB/m
Birefringence	Non-PM
Physical Properties	
Optical cladding	Single
Core diameter	5.0 \pm 0.5 μm
Cladding diameter	125.0 \pm 1.0 μm
Coating diameter	250.0 \pm 10.0 μm
Cladding geometry	Round
Low photodarkening chemistry	Yes
Screen proof tested	\geq 100 kpsi
Confined core	No
Depressed cladding	No