INO
CHALLENGING LIGHT FOR OUR PARTNERS

LOW PHOTODARKENING Yb SM DOPED FIBERS

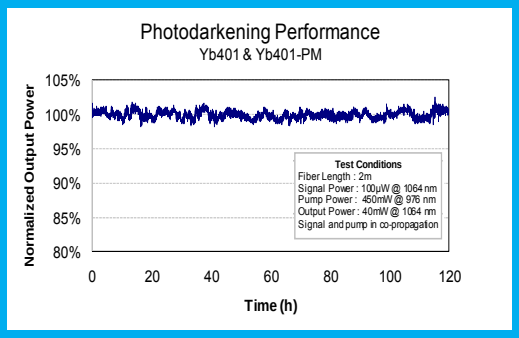
SPECIFICATIONS

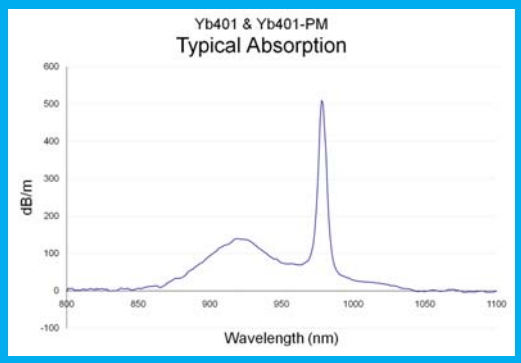
Yb401

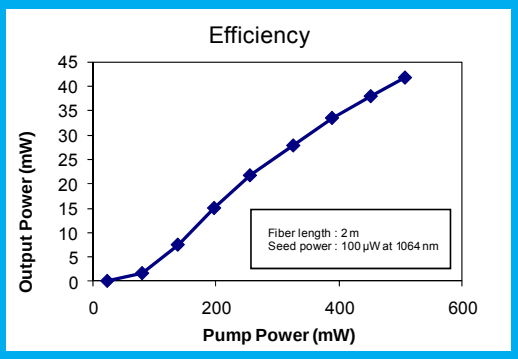
Core Absorption @ 915 nm	dB/m	140 ± 25
Core NA		0.14 ± 0.02
Mode field diameter @ 1060 nm	µm	6.0 ± 1.0
Clad diameter	µm	125 ± 1
Proof test	kpsi	100

Yb401-PM

Core Absorption @ 915 nm	dB/m	140 ± 25
Core NA		0.14 ± 0.02
Mode field diameter @ 1060 nm	µm	6.0 ± 1.0
Clad diameter	µm	125 ± 1
Birefringence		> 3.0 X 10^{-4}
Proof test	kpsi	100







APPLICATION

_ Pulsed fiber lasers and amplifiers

RoHS 2002/95/EC

COMM-100157

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INO
CHALLENGING LIGHT
FOR OUR PARTNERS

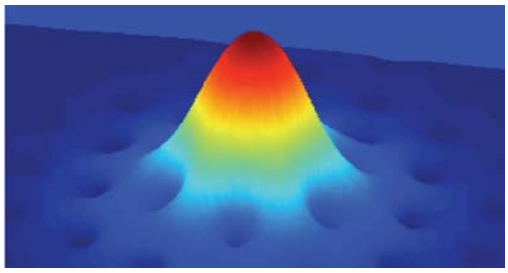
SPECIALTY OPTICAL FIBERS

INO is a world-class R&D center specializing in optics and photonics and one of the world 's leading suppliers of specialty optical fibers. Our team of experts can design and fabricate a wide range of superior quality custom optical fibers to meet your special needs in various fields such as fiber lasers, telecommunications, industrial processes, military, equipment, aerospace, and biomedical applications.

OUR STRENGTHS

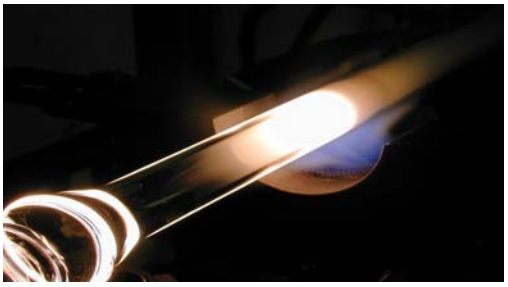
Expertise in:

. Preform fabrication
. Fiber and rod drawing, glass processing
. Specialty glass fabrication
. Advanced fiber modeling and simulation



Cutting-edge facilities:

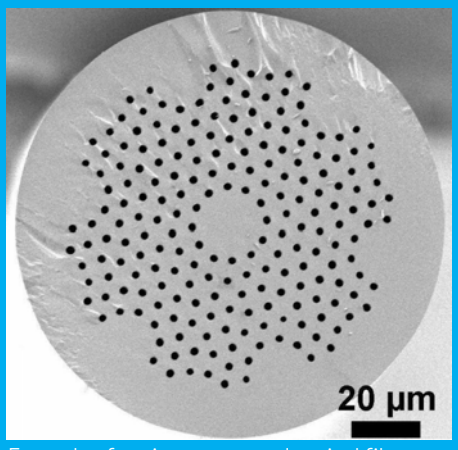
. MCVD and glass lathes
. Fiber drawing towers
. High temperature furnace
. Equipment for glass fabrication
. Ultrasonic drilling equipment



CUSTOM FIBERS FOR YOUR APPLICATIONS

Over time, this specialized know-how has translated into:

. Single and multi-clad rare earth doped optical fibers (also available in PM versions)
. Low photodarkening fiber composition
. Microstructured optical fibers for specific applications
. Stress applying parts for PM fiber fabrication
. Photosensitive optical fibers for Bragg gratings
. Fibers optimized for Raman fiber amplifiers
. High attenuation fibers (singlemode and multimode)
. Phosphate glass and fibers
. Custom silica capillary tubes



Exemple of a microstructured optical fiber
Archimedean-Like Lattice MOF

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