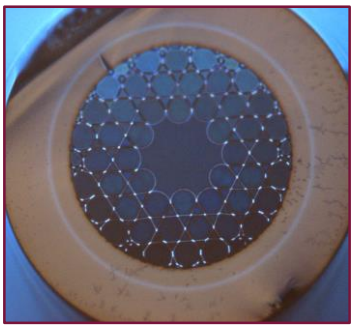
GLOphotonics
The Hollow-Core PCF and Photonic MicroCell™ Company

PMC-C-Yb-7C

Kagome Hollow-Core Fiber with optimized performance for 900-1100nm range. Ideal For Yb and Nd:YAG based lasers.

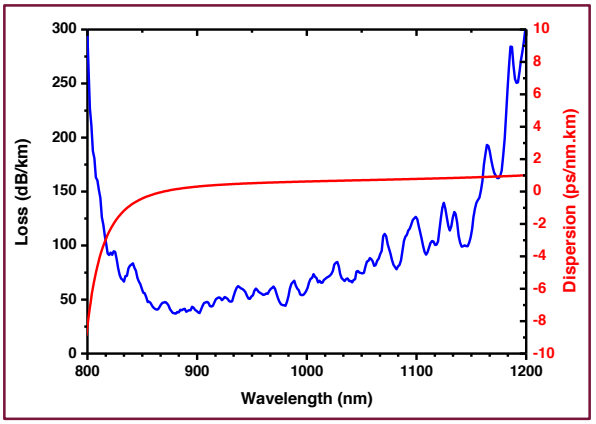
- *Broad Spectral Coverage*
- *Large Core Size*
- *Nearly Single Mode Guidance*
- *Low Dispersion*
- *Record–high laser damage threshold**



Optical micrograph of fiber end facet

Physical Properties

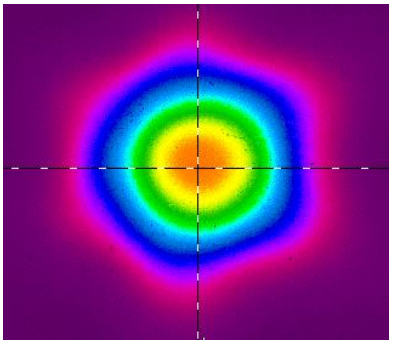
Core contour	Hypocycloid with negative curvature parameter *b=1***
Inner Core Diameter	57 µm ± 1
Outer Fiber Diameter	320 µm ± 1
Fiber Coating Layer	Primary polymer coating



Typical attenuation and dispersion

Optical Properties

Center Wavelength	1030 nm
Attenuation @ 1030 nm	50 dB/km ± 5
Dispersion @1030 nm	1 ps/nm/km ± 0.5
Transmission band** **Attenuation lower than 100 dB/km for the 900-1100nm	>300nm
Mode Field Diameter (1/e²)	39 µm ± 1
3 dB bend loss radius @1030 nm	5 cm ± 2



Typical output near field profile @ 1030nm

* See *Opt. Express* **22**, no. 9, 10735, 2014
** For *b* definition, see *Opt. Exp.* **21**, no. 23, 28597, 2013

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