

PMC-C-650/2000

Kagome Hollow-Core Fiber optimized fo broad wavelength range operation.

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



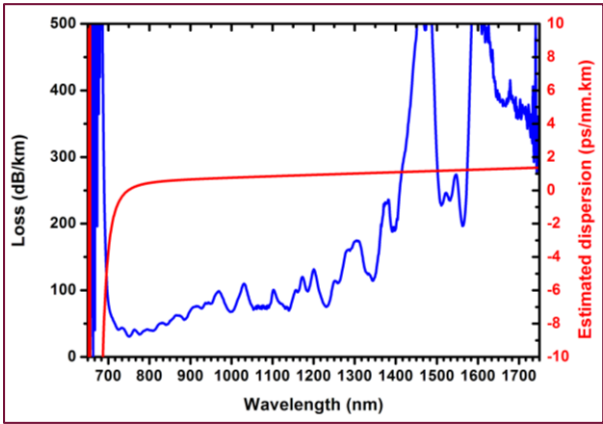
Optical micrograph of fiber end facet

Physical Properties

Core contour	Hypocycloid with negative curvature parameter $b=0.45^*$
Inner Core Diameter	52 $\mu\text{m} \pm 1$
Outer Fiber Diameter	315 $\mu\text{m} \pm 1$
Fiber Coating Layer	Primary polymer coating

Optical Properties

Center Wavelength	1250nm
Attenuation @ 800 nm	50 dB/km ± 5
Dispersion @ 900-1600nm	1 ps/nm/km ± 0.5
Transmission band**	>800nm
**Attenuation lower than 300 dB/km	
Mode Field Diameter (1/e ²)	41 $\mu\text{m} \pm 1$
3 dB bend loss radius	15 cm ± 2



Typical attenuation and dispersion

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