

PMC-C-Blue

Hollow-Core Fiber optimized for blue spectral range.



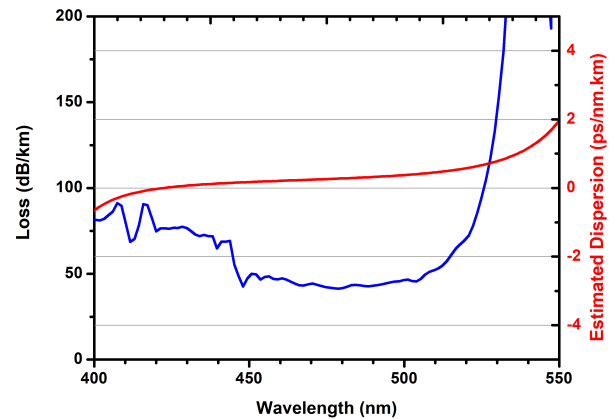
- *Nearly single mode guidance*
- *Low dispersion, low loss*
- *High power and energy handling*
- *Broad spectral coverage*

Physical Properties

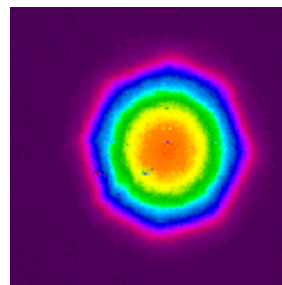
Core contour	Hypocycloid
Inner core diameter	30 $\mu\text{m} \pm 2\mu\text{m}$
Outer fiber diameter	200 $\mu\text{m} \pm 1\%$
Fiber coating diameter	375 $\mu\text{m} \pm 25\mu\text{m}$

Optical Properties

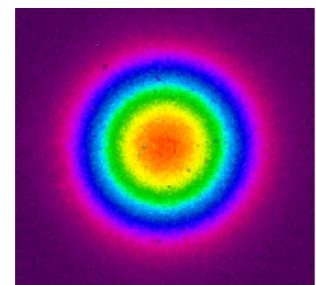
Attenuation	<100 dB/km
Attenuation @ 450 nm	<50 dB/km
Dispersion @ 450 nm	0.5 ps/nm.km ± 0.5
Mode Field Diameter (1/e ²) @ 450nm	21 $\mu\text{m} \pm 2 \mu\text{m}$
N.A.	0.014 ± 0.002



Typical attenuation and dispersion



Output near field profile



Output far field profile

All specifications may be changed without notice