

CORNING

RGB PM Specialty Optical Fiber

Polarization Maintaining (PM) Fiber

*Polarized fiber
optimized for
RGB wavelength
band*

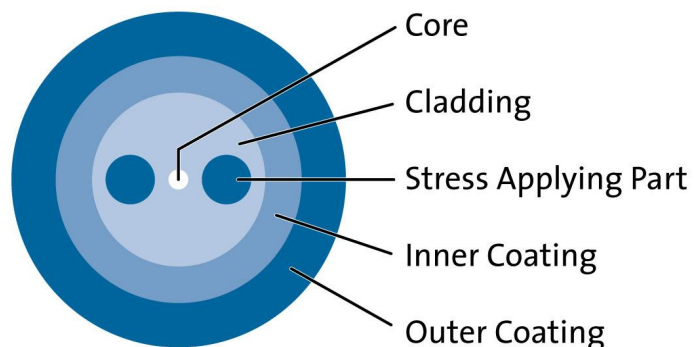
The newly designed Panda RGB PM Specialty Optical Fiber is a polarization maintaining fiber optimized for operation over the entire visible spectrum. This increased wavelength range enables greater flexibility by allowing for the use of a single fiber in applications across this region.

Applications:

- Medical
- Spectroscopy
- Display

Features:

- Designed for use at wavelengths between 405 nm and 630 nm
- Extremely high birefringence
- Excellent polarization maintaining properties



RGB PM

Key Optical Specifications

Operating Wavelength (nm)	405-640
Cutoff Wavelength (nm)	≤ 400
Maximum Attenuation (dB/km)	≤ 50 @ 405 nm
Mode-field Diameter (μm)	2.3 ± 0.6 @ 410 nm 3.8 ± 1.0 @ 630 nm
Beat Length (mm)	< 2.0 @ 630 nm
Polarization Crosstalk @ 60mm bend diameter dB (dB/10 turn)	-30 @ 630 nm

Key Geometric, Mechanical and Environmental Specifications

Cladding Outside Diameter (μm)	125 ± 1.0
Coating Outside Diameter (μm)	245 ± 15
Core-to-Cladding Offset (μm)	1.0
Proof Test (kpsi)	200
Operating Temperature* (°C)	-40 to 85
Coating	UV Curable Acrylate
Recommended Minimum Bending Radius (mm)	30**

* without coiling on a shipping reel

** set due to crosstalk performance

PANDA PM Specialty Optical Fiber design uses two stress applying parts to create an extremely high birefringence, resulting in fiber with excellent polarization maintaining properties. This design was invented and patented by Corning Incorporated. Corning continues to have a manufacturing partnership with Fujikura Ltd.

For more information about Corning's leadership in Specialty Fiber technology visit our website at www.corning.com/specialtyfiber

To obtain additional technical information, an engineering sample or to place an order for this product, please contact us at:

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