

KEY FEATURES

- Excellent polarization maintaining properties
- Extremely high birefringence
- Single-mode designs from 400 nm to 1550 nm
- Dual-layer UV acrylate coating
- Low sensitivity to bending-induced attenuation
- Low attenuation
- Low splice loss

APPLICATIONS

- Polarization-based modulators
- Polarization-sensitive components
- High data rate communications systems
- High performance transmission laser pigtailed
- Raman amplifiers
- Fiber optic sensors, gyroscopes and instrumentation

QUALITY

- ISO 9001:2015

Panda PM optical fibers

SEDI-ATI offers high performance Panda polarization maintaining optical fibers. Panda PM fibers are designed with the best polarization maintaining properties, and are the industry standard in the world today.

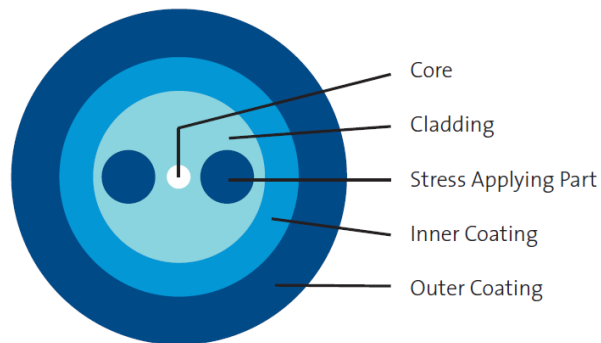
Available in a wide range of standard operating wavelengths from 400 nm to 1550 nm, and with a dual-layer UV acrylate coating, these Panda PM optical fibers are optimal for high performance polarization retaining fiber applications.

The fibers offer low attenuation and excellent birefringence for high performance applications.

These field-proven fibers support high growth applications, and perform well over a wide temperature range.

SEDI-ATI offers connectorization. We can terminate Panda PM optical fibers with most fiber-optic connectors.

Please contact us to discuss your specific requirements.



STANDARD PRODUCT SPECIFICATIONS

Parameter	FMP400	FMP480	FMP630	FMP850	FMP980	FMP1310	FMP1550	Units
Operating wavelength	410	480	630	850	980	1300	1550	nm
Cutoff wavelength	330-400	400-470	520-620	650-800	870-950	1130-1270	1300-1440	nm
Mode-field diameter	3.5 ±0.5	4.5 ±0.5	4.5 ±0.5	5.5 ±0.5	6.6 ±0.5	9.0 ±0.5	10.5 ±0.5	µm
Cladding diameter	125 ±1	125 ±1	125 ±1	125 ±1	125 ±1	125 ±1	125 ±1	µm
Coating diameter	400 ±15	245 ±15	400 ±15	245 ±15	245 ±15	245 ±15	245 ±15	µm
Core / clad offset	≤ 0.5							µm
Beat length range	≤ 1.7	≤ 2.0	≤ 2.0	1.0-2.0	1.5-2.7	2.5-4.0	3.0-5.0	mm
Max. cross talk at 100 m	-30							dB
Typ. cross talk at 4 m	-40							dB
Max. attenuation	≤ 50	30	12	3.0	2.5	1.0	0.5	dB/km
Coating material	UV/UV acrylate							
Proof test level	100							kpsi
Operating temperature range	-40 to +85							°C