

SPECIALTY OPTICAL FIBER

# IXF-PMF-1550-125-P-020

Polarization-Maintaining Fiber

Exail proposes a range of standard PM Fibers with 125  $\mu\text{m}$  cladding diameter.

Customized coatings and wavelengths available upon request.

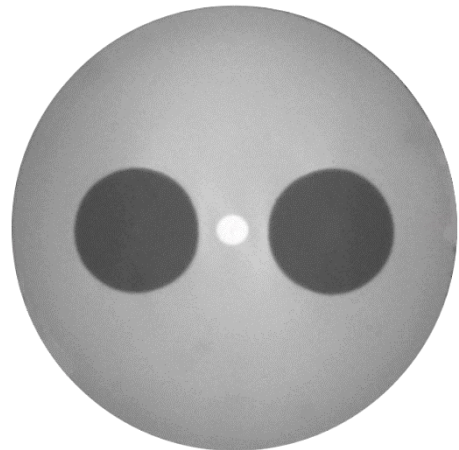
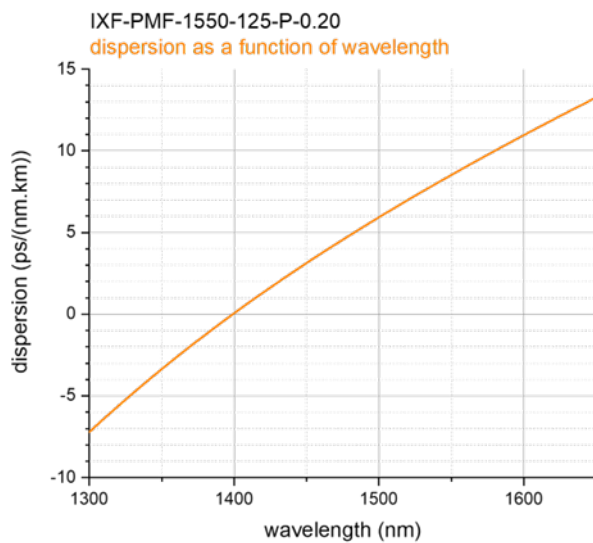


## Benefits & Features

- High birefringence
- Excellent polarization maintaining properties
- Low attenuation
- Dual-layer UV acrylate and 900  $\mu\text{m}$

## Applications

- Coherent beam delivery
- Delay lines
- Diode & modulators pigtailed
- Fiber optic sensors, gyroscopes and instrumentation
- Lyot depolarizers
- Polarization-sensitive components



## TECHNICAL SPECIFICATIONS

### Parameters

Cutoff wavelength (nm)	1430 ± 50
Attenuation @1550nm (dB/km)	< 2
Beat length @1550nm (mm)	< 3.7
Mode field diameter @1550nm (μm)	6.6 ± 0.5
Numerical aperture	0.20 ± 0.01
Core/Clad concentricity (μm)	< 1
Cladding diameter (μm)	125 ± 1
Coating diameter (μm)	250 ± 15
Proof test level (kpsi)	100

### Design parameters

Operating wavelength (nm)	1550
Design	Panda
Core ellipticity (%)	< 15
Holding parameter (m <sup>-1</sup> )	< 1.10 <sup>-5</sup>
Coating material	Dual acrylate
Operating temperature range (°C)	-40 to +85

Exail reserves the right to change, at any time and without notice, the specifications, design, function or form of its products described herein.

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