



GyroSil® 1550-155 Polarization-Maintaining Optical Fiber

P/N: 27322

Product Overview GyroSil 1550 Polarization-Maintaining (PM) Sensing Fibers for Fiber Optic Gyroscopes have a reduced diameter cladding of 80 μm . They exhibit excellent bend performance in small diameter coils. The fiber has a 1550 nm operating wavelength and a 155 μm diameter dual acrylate coating.

Typical Applications

- Fiber Optic Gyroscopes

Product Specifications

Product Description GyroSil 1550-155 Polarization-Maintaining Optical Fiber

Physical Characteristics

Cladding Diameter	80 $\pm$ 1 μm
Coating Diameter	155 $\pm$ 5 μm
Core Concentricity Error	< 0.5 μm

Optical Characteristics

Type	Polarization-Maintaining
Center Operating Wavelength	1550 nm
Cutoff Wavelength	< 1500 nm
Mode Field Diameter @ 1550 nm	6.4 $\pm$ 0.5 μm
Attenuation @ 1550 nm	< 1.0 dB/km

PM Properties

H-Parmeter, Shipping Spool at Room Temperature	< 2 x 10 ⁻⁵ 1/m
Beat Length @ 1550 nm	< 3.5 mm

Mechanical and Environmental

Proof Test Level	100 kpsi
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Order by Part Number 27322

Contact Information For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.

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