



Polyimide Coated Single-Mode Fiber

SM-1310-P1

FEATURES

- Excellent geometric specifications
- Good splicing performance
- Single-mode operation at 1310 and 1550 nm
- Polyimide coating for durability and operation in extreme environments
- Operational temperature range of -60°C to 300°C



StockerYale's Polyimide Coated Single-Mode Fiber is designed for optical sensor and datacom systems where the fiber may experience extreme temperatures or be exposed to harsh environments. The fiber has a nominal clad diameter of 125 μm and a polyimide coating diameter of 155 μm . The fiber has been engineered such that the mode field diameter accurately matches standard SMF for easy splicing.

Applications:

- Optical sensor systems
- Severe temperature environments
- Oil and gas applications
- Imaging catheters and other medical devices

TECHNICAL SPECIFICATIONS

Product Code	SM-1310-P1
Operating Wavelength	1310 and 1550 nm
Cut-off wavelength	< 1290 nm
Mode field diameter @ 1310 nm	8.5 - 9.5 μm
Mode field diameter @ 1550 nm	9.7 - 10.7 μm
Numerical aperture (nominal)	0.12
Attenuation @ 1310 nm	\leq .50 dB/km
Attenuation @ 1550 nm	\leq .40 dB/km
Cladding diameter	125 \pm 2 μm
Coating diameter	155 \pm 5 μm
Core-clad concentricity	< 0.5 μm
Proof test level	100 kpsi
Coating material	Polyimide

For more information contact us at opticalsales@stockeryale.com or call a sales representative at **(603) 870-8286**.



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