

High Temperature Fiber

Applications

- Sensors
- High-precision materials processing
- Laser Transmission

Characteristics

- Excellent optical properties
- 100kpsi proof test
- Customized sizes and profiles available



Specifications

Part Number	1120-250
Optical Properties	
Mode Field Diameter @1310nm (μm)	9.2 \pm 0.4
Mode Field Diameter @1550nm (μm)	10.4 \pm 0.8
Fiber Cut-off Wavelength (nm)	1180-1330
Attenuation @1310nm (dB/km)	\leq 0.4
Attenuation @1550nm (dB/km)	\leq 0.25
Geometric Properties	
Cladding Diameter (μm)	125 \pm 1.0
Coating Diameter (μm)	245 \pm 15.0
Cladding Non-Circularity (%)	\leq 1.0
Core/Cladding Offset (μm)	\leq 0.8
Coating/Cladding Offset (μm)	\leq 12
Environmental and Mechanical Properties	
Proof Test Level (kpsi)	100
Operating Temperature Range ($^{\circ}\text{C}$)	-40 to 150
Coating Material	Special Polymer