

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1068000059](#)  
**Status:** **Active**  
**Overview:** Polymicro Optical Fibers  
**Description:** Polymicro Optical Fiber, Low OH, VIS-NIR, 150um, FIP150165195

**Documents:**

[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Optical Fiber
Series	<a href="#">106800</a>
Application	Industrial, Medical, Research, Scientific, and other
Catalog	<a href="http://www.molex.com/polymicro/catalog">www.molex.com/polymicro/catalog</a>
Fiber Series	FIP
More Detailed Tech Information	<a href="http://www.molex.com/polymicro/fi">www.molex.com/polymicro/fi</a>
Overview	<a href="#">Polymicro Optical Fibers</a>
Polymicro	Yes
Product Name	FIP Optical Fiber
UPC	883906617448
White Paper-Published Articles	<a href="http://www.molex.com/polymicro/whitepapers">www.molex.com/polymicro/whitepapers</a>
Wire/Cable Type	Silica Optical Fiber

**Physical**

Buffer Diameter	195µm
Buffer Tolerance	± 5µm
Clad Diameter	165µm
Cladding Tolerance	± 3µm
Cladding Type	Doped Silica
Core Diameter	150µm
Core Tolerance	± 3µm
Glass Characteristic	Ultra Low -OH
Long-Term Bend Radius	N/A
Material - Buffer	Polyimide
Material - Glass	Synthetic Fused Silica
Net Weight	0.059/g
Numerical Aperture	0.22±0.02
Packaging Type	Spool
Proof Tested @ Minimum 100kpsi	100% for Strength
Short-Term Bend Radius	N/A
Temperature Range - Operating	-65° to +300°C
Wavelength Range	380nm - 1000nm

**Material Info**

Engineering Number	2000059
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*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[106800 Series](#)

**Use With**

Ferrules, Sleeves, SMA Connectors, and  
Custom Connectors