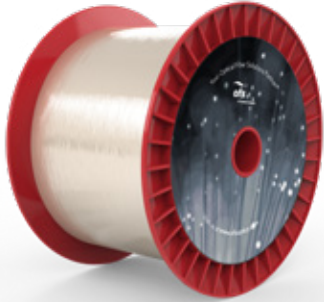


## ClearLite® POLY 1550 17 Optical Fiber

P/N: BF06158-02



### Overview

Our full line of optical fibers operating at 1550 nm includes a variety of coating options, NAs, and mode field diameters to optimize performance in different applications. The longer cutoff of these fibers, as compared to standard transmission fiber, offers improved optical bend performance.

### Typical Applications

High Stress and Tight Coil  
Applications

High Temperature Environments

Medical Sensing and Imaging

Oil and Gas Applications

Product Specifications	
Product Description	ClearLite POLY 1550 17 Optical Fiber
<b>Physical Characteristics</b>	
Coating Material	PYROCOAT®
Core Diameter (Nominal)	6.5 $\mu\text{m}$
Cladding Diameter	125 $\pm$ 2 $\mu\text{m}$
Coating/Buffer Diameter	155 $\pm$ 15 $\mu\text{m}$
Clad Non-Circularity	$\leq$ 2.0%
Core/Clad Offset	$\leq$ 0.75 $\mu\text{m}$
<b>Optical Characteristics</b>	
Type	Single-Mode
Operating Wavelength	1550 nm
Cutoff Wavelength	$\leq$ 1500 nm
Mode Field Diameter @ 1550 nm	7.5 $\pm$ 1.0 $\mu\text{m}$
Attenuation @ 1550 nm	$\leq$ 0.7 dB/km
Numerical Aperture (Nominal)	0.17
<b>Mechanical and Environmental</b>	
Operating Temperature	-65 to +300 °C
Short-Term Bend Radius	$\geq$ 10 mm
Long-Term Bend Radius	$\geq$ 17 mm
Proof Test Level	$\geq$ 100 kpsi (0.689 GPa)
Order by Part Number	<b>BF06158-02</b>
Product Description Code	<b>SMB-E1550H</b>
<b>OPTIONS:</b> Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination	
<b>NOTE:</b> OFS polyimide optical fibers are known to operate in environments up to 300 °C. Performance is application dependent. Contact our Technical Sales department to discuss your specific application requirements. 1-860-678-6636	

**For additional information please contact your sales representative.**

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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