

Ultra Low-OH

CHARACTERISTICS

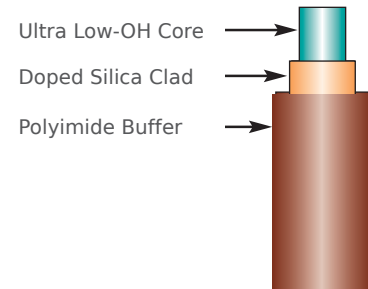
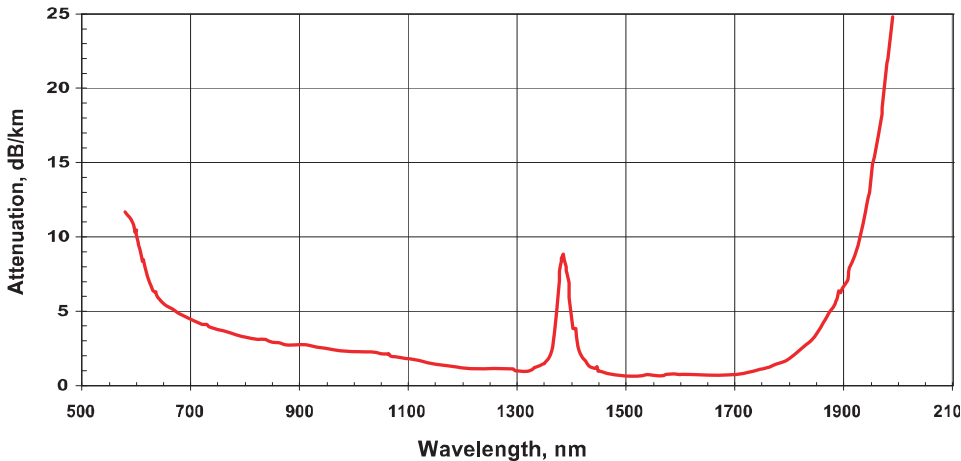
Step index
 Numerical aperture: 0.22 ± 0.02
 Full acceptance cone: 25.4 degrees
 Vis-NIR transmission, 380 to 2,200nm
 Radiation resistant

High laser damage threshold
 Sterilizable and bio-compatible – USP class VI*
 Low-OH silica core, doped silica clad
 Polyimide buffer standard; silicone, acrylate, high-temperature acrylate also available.

Polymicro SILICA/SILICA Optical Fiber FI

Polyimide concentricity < 3 μ m
 Sizes for bundling
 Tighter tolerances available
 Operating temperature: -65 to +300°C
 Intermittent, up to 400°C
 Proof tested to 100kpsi

Typical Attenuation



* The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.

Specifications

Product Descriptor	Core (μ m)	Clad (μ m)	Buffer (μ m)
FIP100110125*	100 \pm 3	110 \pm 3	124 \pm 3
FIP150165195	150 \pm 3	165 \pm 3	195 \pm 5
FIP200220240	200 \pm 4	220 \pm 4	239 \pm 5
FIP300330370	300 \pm 6	330 \pm 7	370 \pm 10
FIP400440480	400 \pm 8	440 \pm 9	480 \pm 7
FIP500550590	500 \pm 10	550 \pm 10	590 \pm 10
FIP600660710	600 \pm 10	660 \pm 10	710 \pm 10
FIA8008801100**	800 \pm 20	880 \pm 15	1100 \pm 30
FIP100120140	100 \pm 3	120 \pm 3	140 \pm 4
FIP200240280	200 \pm 4	240 \pm 4	275 \pm 5
FIP320385415	320 \pm 8	385 \pm 8	415 \pm 10
FIP050070085	50 \pm 2	70 \pm 2	85 \pm 3
FIP100140170	100 \pm 3	140 \pm 3	170 \pm 5
FIA100010501250**	1000 \pm 20	1050 \pm 15	1250 \pm 40
FIA105125250	105 \pm 2	125 +1/-3	250 \pm 12
FIA050125250	50 \pm 2	125 +1/-3	250 \pm 12
FIA050125145	50 \pm 2	125 +1/-3	145 \pm 5

Note: The items listed in this table are standard configurations and sizes. Other configurations may be available on request.

* Not recommended for wavelengths greater than 1000nm.

** Acrylate buffer