

FBPI: Broad Spectrum Optical Fiber for Industrial Applications

Wavelength Range: 200nm - 2100nm
UV Solarization Resistant

Polymicro Technologies™ Silica/Silica Optical Fiber FBPI

This fiber possesses the NIR Attenuation of a Low -OH fiber and the UV Attenuation of a High -OH fiber. It is produced with a proprietary process that allows more flexibility to meet smaller quantity requests for a variety of core /clad ratios.

CHARACTERISTICS

Low loss, broad spectrum fiber,
200-2100nm

NIR transmission comparable to low -OH

UV transmission comparable to high -OH

Low UV solarization

Step index

Numerical aperture: 0.22 ± 0.02

Silica core, doped silica clad

Cost effective

Polyimide concentricity < 3

Tight tolerance

Operating temperature:
-65°C to +300°C

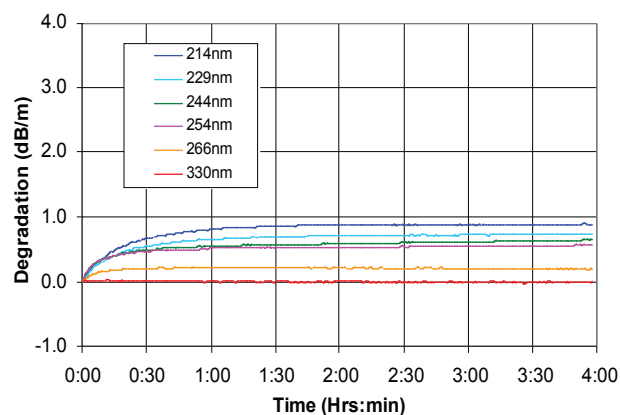
Proof tested to 100kpsi

Custom sizes, jackets, and
assemblies available

Specifications

Product Descriptor	Core (μm)	Clad (μm)	Buffer (μm)
FBPI 200220240	200 ± 4	220 ± 4	239 ± 5
FBPI 300330370	300 ± 6	330 ± 7	370 ± 7
FBPI 400440480	400 ± 8	440 ± 9	480 ± 10
FBPI 600660710	600 ± 10	660 ± 10	710 ± 10

Typical UV Solarization Damage



Typical Attenuation

